Safety Data Sheets (SDS)

Revised 1/24

Master Wall Inc.®
Building a Culture of Excellence
masterwall.com
PO Box 397 • Fortson • GA • 31808 • 800-755-0825 • Tech: 800-760-2861

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Finishes & Coatings

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SAFETY DATA SHEET

Issuing Date 21-Jul-2015 **Revision Date** 01-21-26 **Revision Number** 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Names: Aggrelime, Aggre-stone, CIFS™ Brick Mortar/Additive, LaCantera, Lumia, Marbleflex, MetalTex, Plasterflex, ReCote™, Savannah, Superior, Superior Elastomeric Plus, SuperiorFlex Textured Finishes (Perfect Swirl 2.0, Fine Sand 1.0, Medium Sand 1.5, Versatex 0.5), Superior Stone, Taratex, Travertine, Wood Grain Tex, Accent Stucco Finish (Superior Finish Textures)

Other means of identification
Synonyms None

Recommended Use Waterbased acrylic coating
Recommended use of the chemical and restrictions on use
Uses advised against No information available

Supplier's details

Supplier Address
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency telephone number

Emergency Telephone Number 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Not classified

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word **None**
Hazard Statements
• None

The product contains no substances which at their given concentration are considered to be hazardous to health
Appearance Off white **Physical State** Liquid. **Odor** Slight

Precautionary Statements
Prevention
• None

General Advice
• None

Storage
• None

Disposal
• None

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information
Harmful to aquatic life. Very toxic to aquatic life with long lasting effects.

89.07% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Quartz	14808-60-7	30-60	*
Marble	471-34-1	30-60	*
Titanium dioxide	13463-67-7	1-5	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash skin with soap and water.

Inhalation Move to fresh air.

Ingestion Clean mouth with water and afterwards drink plenty of water.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical
No information available.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Avoid sanding and grinding surfaces containing dried paint film.

Environmental Precautions

Environmental Precautions Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. Collect spillage. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid sanding and grinding surfaces containing dried paint film.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Quartz 14808-60-7	TWA: 0.025 mg/m³ respirable fraction	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Limestone 1317-65-3	-	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³	TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust
Kaolin 1332-58-7	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³
Ethylene glycol 107-21-1	Ceiling: 100 mg/m³ aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m³	-
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	TWA: 5 mg/m³, as oil mist, mineral STEL: TWA: 10 mg/m³, as oil mist, mineral	TWA: 5 mg/m³, as oil mist, mineral	-
Diuron 330-54-1	TWA: 10 mg/m³	(vacated) TWA: 10 mg/m³	TWA: 10 mg/m³
Silicon dioxide 7631-86-9	10 mg/m³	20 mppcf TWA; ((80)/(% SiO2) mg/m³)	IDLH: 3000 mg/m³ TWA: 6 mg/m³

Ethanolamine 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m³ STEL: 6 ppm STEL: 15 mg/m³

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection No special protective equipment required.
Skin and Body Protection No special protective equipment required.
Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid.
Appearance Off white.
Odor Slight.
Odor Threshold No information available.

Property	Values	Remarks/ - Method
pH	8 - 10	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	> 100 °C	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	>1	None known
Water Solubility	Miscible with water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	110-130 K.U.	None known

Flammable Properties Not flammable

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) 2 g/L

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	There is no data available for this product.
Eye Contact	There is no data available for this product.
Skin Contact	There is no data available for this product.
Ingestion	There is no data available for this product.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.
Mutagenic Effects No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

Chemical Name	ACGIH	IARC	NTP	OSHA
Quartz	A2	Group 1	Known	X
Titanium dioxide		Group 2B		X

ACGIH: (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)
Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)
X - Present

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product
Acute Toxicity 89.07% of the mixture consists of ingredient(s) of unknown toxicity.
LD50 Oral > 5000 mg/kg; (ATE)

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethylene glycol 107-21-1	EC50 96 h: 6500 - 13000 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: 14 - 18 mL/L static (Oncorhynchus mykiss) LC50 96 h: 40000 - 60000 mg/L static (Pimephales promelas) LC50 96 h: = 16000 mg/L static (Poecilia reticulata) LC50 96 h: = 27540 mg/L static (Lepomis macrochirus) LC50 96 h: = 40761 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 41000 mg/L (Oncorhynchus mykiss)	EC50 = 10000 mg/L 16 h EC50 = 620 mg/L 30 min EC50 = 620.0 mg/L 30 min	EC50 48 h: = 46300 mg/L (Daphnia magna)
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate 25265-77-4	EC50: 18.4 mg/L Pseudokirchneriella subcapitata 72 h	LC50 96 h: = 30 mg/L (Pimephales promelas)		LC50 96 h: > 95 mg/L (Daphnia magna)
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine 4719-04-4	-	-	EC50 = 28.9 mg/L 15 min	-
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Ammonium hydroxide 1336-21-6		LC50 96 h: = 8.2 mg/L (Pimephales promelas)		EC50 48 h: = 0.66 mg/L (water flea) EC50 48 h: = 0.66 mg/L (Daphnia pulex)
Diuron 330-54-1	EC50 72 h: < 0.1 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: = 0.0007 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: = 0.022 mg/L (Desmodesmus subspicatus) EC50 72 h: = 0.036 mg/L static (Desmodesmus subspicatus)	LC50 96 h: 1.5-2.54 mg/L static (Oncorhynchus mykiss) LC50 96 h: 13.4-15 mg/L flow-through (Pimephales promelas) LC50 96 h: 13.4-15 mg/L static (Pimephales promelas) LC50 96 h: 2.3-3.3 mg/L static (Lepomis macrochirus) LC50 96 h: = 14.7 mg/L (Oncorhynchus mykiss) LC50 96 h: = 2.9 mg/L (Cyprinus carpio) LC50 96 h: = 4 mg/L (Lepomis macrochirus)	EC50 = 16.38 mg/L 5 min	EC50 48 h: 6.3 - 13 mg/L Static (Daphnia magna) EC50 48 h: = 1.4 mg/L (Daphnia magna)
Silicon dioxide 7631-86-9	EC50 72 h: = 440 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 5000 mg/L static (Brachydanio rerio)		EC50 48 h: = 7600 mg/L (Ceriodaphnia dubia)

3-Iodo-2-propynyl butylcarbamate 55406-53-6		LC50 96 h: 0.049-0.079 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.05-0.089 mg/L (Oncorhynchus mykiss) LC50 96 h: 0.14-0.32 mg/L flow-through (Lepomis macrochirus) LC50 96 h: 0.18-0.23 mg/L flow-through (Pimephales promelas)		
Ethanolamine 141-43-5	EC50 72 h: = 15 mg/L (Desmodesmus subspicatus)	LC50: 227 mg/L Pimephales promelas 96 h flow-through LC50: 3684 mg/L Brachydanio rerio 96 h static LC50: 300-1000 mg/L Lepomis macrochirus 96 h static LC50: 114-196 mg/L Oncorhynchus mykiss 96 h static LC50: >200 mg/L Oncorhynchus mykiss 96 h flow-through	EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h EC50 = 13.7 mg/L 30 min	EC50 48 h: = 65 mg/L (Daphnia magna)

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methyl-2-benzimidazole carbamate - 10605-21-7	U372	Included in waste streams: K156, K158		U372
3-Iodo-2-propynyl butylcarbamate - 55406-53-6	(hazardous constituent - no waste number)			

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories
TSCA All components of this product are either listed or are exempt on the TSCA inventory.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Quartz	14808-60-7	Carcinogen
Titanium dioxide	13463-67-7	Carcinogen
Diuron	330-54-1	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Quartz	X	X	X	-	X
Limestone	X	X	X		X
Kaolin	X	X	X		X
Titanium dioxide	X	X	X	-	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	**Health Hazard** 1	**Flammability** 0	**Instability** 0	**Physical and Chemical Hazards** -
HMIS	**Health Hazard** 1	**Flammability** 0	**Physical Hazard** 0	**Personal Protection** X

Prepared By

Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Issuing Date 21-Jul-2015
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Revision Note Initial Release.

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

FICHA DE DATOS DE SEGURIDAD

Fecha de emisión 21-jul-2015 **Fecha de revisión** 14-sept-2017 **Número de Revisión 1**

1. IDENTIFICACIÓN DE LA SUBSTANCIA/PREPARACIÓN Y DE LA SOCIEDAD/EMPRESA

Identificador de producto SGA

Nombre del producto: Aggrelime, Aggre-stone, CIFS™ Brick Mortar/Additive, LaCantera, Lumia, Marbleflex, MetalTex, Plasterflex, ReCote™, Savannah, Superior/Superior Elastomeric Plus Finishes (Perfect Swirl 2.0, Fine Sand 1.0, Medium Sand 1.5, Versatex 0.5), Superior Stone, Taratex, Travertine, Wood Grain Tex, Accent Stucco Finish (Superior Finish Textures)

Sinónimos ninguno

Uso recomendado del producto químico y restricciones de uso

Uso recomendado Revestimiento acrílico a base de agua

Usos contraindicados No hay información disponible

Datos del proveedor

Dirección de proveedor
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Teléfono de emergencia

Teléfono de emergencia 1-800-535-5053

2. IDENTIFICACIÓN DE LOS PELIGROS

Clasificación

Esta sustancia no es considerada peligrosa de acuerdo con la norma de comunicación de peligros de OSHA 2012 (29 CFR 1910.1200).

No está clasificado

Elementos de la etiqueta SGA/GHS, incluyendo las declaraciones cautelares

Revisión de la Emergencia

Palabra de advertencia **ninguno**

Declaraciones sobre riesgos
• ninguno

El producto no contiene sustancias que se consideren peligrosas a la salud a las concentraciones previstas

Aspecto Blanco pálido **Estado físico** líquido. **Olor** ligero

Medidas de precaución

Prevención
• ninguno

Consejos generales
• Ninguno

Almacenamiento
• ninguno

Eliminación
• ninguno

Peligro no clasificado en otra parte (HNOC)

No aplicable

Otra información
Nocivo para los organismos acuáticos. Muy tóxico para los organismos acuáticos, con efectos nocivos duraderos.

89.07 % de la mezcla consiste en ingredientes de toxicidad desconocida

3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS INGREDIENTES

Nombre químico	CAS No	% en peso	Secreto Comercial
Sílice cristalina, cuarzo	14808-60-7	30-60	*
Dióxido de titanio	13463-67-7	1-5	*

**El porcentaje exacto (concentración) en la composición no se revela por ser un secreto comercial.*

4. PRIMEROS AUXILIOS

Descripción de las medidas necesarias en primeros auxilios

Contacto con los ojos Lávese a fondo con agua abundante durante 15 minutos por lo menos y consulte al médico.

Contacto con la piel Lave la piel con agua y jabón.

Inhalación Salga al aire libre.

Ingestión Lávese la boca con agua y después beba agua abundante

Síntomas/efectos más importante, agudos y retardados

Síntomas/efectos más importantes No hay información disponible.

Indicación de la atención médica inmediata y tratamiento especial necesario, si se necesita

Notas para el médico Trate sintomáticamente.

5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Medios de extinción adecuados
Use medidas de extinción que sean apropiadas a las circunstancias locales y de sus alrededores.

Medios no adecuados de extinción No hay información disponible.

Riesgos específicos debidos a la sustancia química
No hay información disponible.

Datos sobre Peligros de Explosión
Sensible a impactos mecánicos ninguno.
Sensible a descargas estáticas ninguno.

Equipo de protección y precauciones para bomberos
Como en cualquier incendio, llevar un aparato respiratorio autónomo con demanda de presión, MSHA/NIOSH (aprobado o equivalente) y una ropa de protección total.

6. MEDIDAS QUE DEBEN TOMARSE EN CASO DE VERTIDO ACCIDENTAL

Precauciones personales, equipo de protección y procedimientos de emergencia

Precauciones individuales Asegure una ventilación apropiada. Evitar el lijado o pulido de superficies que contengan capas secas de pintura.

Precauciones ambientales

Precauciones ambientales No dispersar en el medio ambiente. Eliminación de contenidos /contenedor a una planta de eliminación de residuos aprobada. Recoger los vertidos. Véase la Sección 12 para ver la Información Ecológica adicional.

Métodos y materiales de contención y limpieza

Métodos de contención Impidas nuevos escapes o derrames de forma segura.

Métodos de limpieza Recójalo y traspáselo a contenedores correctamente etiquetados.

7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones para un manejo seguro

Manipulación Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad. Evitar el lijado o pulido de superficies que contengan capas secas de pintura.

Condiciones de almacenamiento seguro, incluyendo cualquier incompatibilidad

Almacenamiento Cierre los recipientes herméticamente y manténgalos en lugar seco, fresco y bien ventilado.

Productos incompatibles No se conocen de acuerdo con la información suministrada.

8. CONTROLES DE EXPOSICION Y PROTECCION PERSONAL

Parámetros de control

Directrices de exposición

Nombre químico	Valor límite umbral (TLV), ACGIH	Límite permisible de exposición (PEL), OSHA	Peligro inmediato para la vida o la salud (IDLH), NIOSH
Sílice cristalina, cuarzo 14808-60-7	TWA: 0.025 mg/m³ respirable fraction	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Carbonato de calcio 1317-65-3	-	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³	TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust
Caolín 1332-58-7	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Dióxido de titanio 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³
Etilenglicol 107-21-1	Ceiling: 100 mg/m³ aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m³	-
Destilados del petróleo, parafínicos pesados hidrotratados 64742-54-7	TWA: 5 mg/m³, as oil mist, mineral STEL: TWA: 10 mg/m³, as oil mist, mineral	TWA: 5 mg/m³, as oil mist, mineral	-

Diuron 330-54-1	TWA: 10 mg/m³	(vacated) TWA: 10 mg/m³	TWA: 10 mg/m³
Silico amoria 7631-86-9	10 mg/m³	20 mppcf TWA; ((80)/(% SiO2) mg/m³)	IDLH: 3000 mg/m³ TWA: 6 mg/m³
Etanolamina 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m³ STEL: 6 ppm STEL: 15 mg/m³

Controles de ingeniería apropiados

Disposiciones de ingeniería Duchas
Estaciones lavaojos
Sistemas de ventilación

Medidas de protección individual, tales como equipo de protección personal (PPE)

Protección de los ojos / cara No se requiere equipo especial de protección.
Protección de la piel y del cuerpo No se requiere equipo especial de protección.
Protección respiratoria Si se exceden los límites de exposición o se presenta una irritación, se debe de usar la protección respiratoria aprobada por NIOSH/MSHA. Los respiradores de aire de presión positiva proporcionados pueden ser exigidos cuando existen altas concentraciones de contaminantes aerotransportados. La protección respiratoria se debe proporcionar de acuerdo con regulaciones locales actuales

Medidas de higiene Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad.

9. PROPIEDADES FÍSICAS Y QUÍMICAS

Información sobre las propiedades físicas y químicas básicas

Estado físico líquido.
Olor ligero.
Aspecto Blanco pálido.
Límite de olor No hay información disponible.

Propiedades	Valores	Observaciones/ - Método
pH	8 - 10	No conocidos
Punto de fusión/rango	sin datos disponibles	No conocidos
Punto / intervalo de ebullición	> 100 °C	No conocidos
Punto de inflamación	sin datos disponibles	No conocidos
Índice de evaporación	sin datos disponibles	No conocidos
Inflamabilidad (sólido, gas)	sin datos disponibles	No conocidos
Límites de Inflamabilidad en el Aire		
límite superior de inflamabilidad	sin datos disponibles	
límite inferior de inflamabilidad	sin datos disponibles	
Presión de vapor	sin datos disponibles	No conocidos
Densidad de vapor	sin datos disponibles	No conocidos
Gravedad Específicas	>1	No conocidos
Hidrosolubilidad	Miscible con agua	No conocidos
Solubilidad en otros disolventes	sin datos disponibles	No conocidos
Coeficiente de partición: (n-octanol/agua)	sin datos disponibles	No conocidos
Temperatura de auto-inflamación	sin datos disponibles	No conocidos
Temperatura de descomposición	sin datos disponibles	No conocidos
Viscosidad	110-130 K.U.	No conocidos

Propiedades inflamables No inflamable

Propiedades explosivas sin datos disponibles
Propiedades comburentes sin datos disponibles

Otra información

Contenido (%) COV (compuestos orgánicos volátiles) 2 g/L

10. ESTABILIDAD Y REACTIVIDAD

Reactividad

sin datos disponibles

Estabilidad química

Estable bajo las condiciones de almacenamiento recomendadas.

Posibilidad de reacciones peligrosas

Nada en condiciones normales de proceso.

Polimerización peligrosa

La polimerización peligrosa no ocurre.

Condiciones a evitar

No se conocen de acuerdo con la información suministrada.

Materiales incompatibles

No se conocen de acuerdo con la información suministrada.

Productos de descomposición peligrosos

No se conocen de acuerdo con la información suministrada.

11. INFORMACIÓN TOXICOLÓGICA

Información sobre las rutas probables de exposición

Información del Producto

Inhalación	No existe ningún dato disponible para ese producto.
Contacto con los ojos	No existe ningún dato disponible para ese producto.
Contacto con la piel	No existe ningún dato disponible para ese producto.
Ingestión	No existe ningún dato disponible para ese producto.

Síntomas relacionados a las características físicas, químicas y toxicológicas

Síntomas No hay información disponible

Efectos inmediatos y tardíos y también efectos crónicos de exposición a corto y largo plazo

Sensibilización	No hay información disponible.
efectos mutágenos	No hay información disponible.
Carcinogenicidad	La tabla más abajo indica los ingredientes listados por cada agencia como carcinógenos. Este producto contiene dióxido de titanio en forma no respirable. Es poco probable que ocurra inhalación de dióxido de titanio debido a la exposición a este producto. Este producto contiene sílice cristalina (cuarzo) en forma no respirable. La inhalación de sílice cristalina es poco probable que ocurra si hay exposición a este producto.

Nombre químico	ACGIH	IARC (Agencia Internacional para la Investigación sobre el Cáncer)	NTP	OSHA

Sílice cristalina, cuarzo	A2	Group 1	Known	X
Dióxido de titanio		Group 2B		X

ACGIH: (Conferencia Americana de Higienistas Industriales Gubernamentales)
A2 - Carcinógeno humano sospechoso

IARC (Agencia Internacional para la Investigación sobre el Cáncer)
Grupo 1 - Carcinógeno para los humanos
Grupo 2B - Posiblemente carcinógeno para los humanos

NTP: (Programa Nacional de Toxicología)
Conocido – Carcinógeno conocido

OSHA: (Administración de Seguridad y Salud Ocupacional)
X – Presente

Toxicidad a la reproducción No hay información disponible.
Toxicidad sistémica a un órgano específico objetivo (exposición única) No hay información disponible.
Toxicidad sistémica a un órgano específico objetivo (exposición repetida) No hay información disponible.
Peligro de aspiración No hay información disponible.

Medidas numéricas de toxicidad - Producto
Toxicidad aguda 89.07 % de la mezcla consiste en ingredientes de toxicidad desconocida
DL50 Oral > 5000 mg/kg; (ATE)

12. INFORMACIONES ECOLÓGICAS

Ecotoxicidad
El impacto ambiental de este producto no se ha investigado completamente.

Nombre químico	Toxicidad para las algas	Toxicidad para peces	Toxicidad hacia los microorganismos	Daphnia magna (Pulga de mar grande)
Etilenglicol 107-21-1	EC50 96 h: 6500 - 13000 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: 14 - 18 mL/L static (Oncorhynchus mykiss) LC50 96 h: 40000 - 60000 mg/L static (Pimephales promelas) LC50 96 h: = 16000 mg/L static (Poecilia reticulata) LC50 96 h: = 27540 mg/L static (Lepomis macrochirus) LC50 96 h: = 40761 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 41000 mg/L (Oncorhynchus mykiss)	EC50 = 10000 mg/L 16 h EC50 = 620 mg/L 30 min EC50 = 620.0 mg/L 30 min	EC50 48 h: = 46300 mg/L (Daphnia magna)
2,2,4-Trimetilpentano-1,3-diol monoisobutirato 25265-77-4	EC50: 18.4 mg/L Pseudokirchneriella subcapitata 72 h	LC50 96 h: = 30 mg/L (Pimephales promelas)		LC50 96 h: > 95 mg/L (Daphnia magna)
2,2',2''-(hexahidro-1,3,5-triazina-1,3,5-triil) trietanol 4719-04-4	-	-	EC50 = 28.9 mg/L 15 min	-
Destilados del petróleo, parafínicos pesados hidrotratados 64742-54-7		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Hidróxido de amonio 1336-21-6		LC50 96 h: = 8.2 mg/L (Pimephales promelas)		EC50 48 h: = 0.66 mg/L (water flea) EC50 48 h: = 0.66 mg/L (Daphnia pulex)

Diuron 330-54-1	EC50 72 h: < 0.1 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: = 0.0007 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: = 0.022 mg/L (Desmodesmus subspicatus) EC50 72 h: = 0.036 mg/L static (Desmodesmus subspicatus)	LC50 96 h: 1.5-2.54 mg/L static (Oncorhynchus mykiss) LC50 96 h: 13.4-15 mg/L flow-through (Pimephales promelas) LC50 96 h: 13.4-15 mg/L static (Pimephales promelas) LC50 96 h: 2.3-3.3 mg/L static (Lepomis macrochirus) LC50 96 h: = 14.7 mg/L (Oncorhynchus mykiss) LC50 96 h: = 2.9 mg/L (Cyprinus carpio) LC50 96 h: = 4 mg/L (Lepomis macrochirus)	EC50 = 16.38 mg/L 5 min	EC50 48 h: 6.3 - 13 mg/L Static (Daphnia magna) EC50 48 h: = 1.4 mg/L (Daphnia magna)
Silico amoria 7631-86-9	EC50 72 h: = 440 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 5000 mg/L static (Brachydanio rerio)		EC50 48 h: = 7600 mg/L (Ceriodaphnia dubia)
3-Iodo-2-propinil butilcarbamato 55406-53-6		LC50 96 h: 0.049-0.079 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.05-0.089 mg/L (Oncorhynchus mykiss) LC50 96 h: 0.14-0.32 mg/L flow-through (Lepomis macrochirus) LC50 96 h: 0.18-0.23 mg/L flow-through (Pimephales promelas)		
Etanolamina 141-43-5	EC50 72 h: = 15 mg/L (Desmodesmus subspicatus)	LC50: 227 mg/L Pimephales promelas 96 h flow-through LC50: 3684 mg/L Brachydanio rerio 96 h static LC50: 300-1000 mg/L Lepomis macrochirus 96 h static LC50: 114-196 mg/L Oncorhynchus mykiss 96 h static LC50: >200 mg/L Oncorhynchus mykiss 96 h flow-through	EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h EC50 = 13.7 mg/L 30 min	EC50 48 h: = 65 mg/L (Daphnia magna)

Persistencia y degradabilidad No hay información disponible.

Bioacumulación No hay información disponible.

Otros efectos nocivos
No hay información disponible

13. INFORMACIÓN RELATIVA A LA ELIMINACIÓN DE LOS PRODUCTOS

Métodos de eliminación de los desechos Este material, tal como se suministra, no es un residuo peligroso de acuerdo con las Regulaciones Federales (40 CFR 261). Este material puede convertirse en un residuo peligroso si se mezcla o entra en contacto con un residuo peligroso, si le fueran agregadas sustancias químicas, o si el material es procesado o alterado de alguna manera. Consúltese la regulación 40 CFR 261 para determinar si el material alterado obtenido es un residuo peligroso. Consúltense las regulaciones estatales, regionales o locales pertinentes para conocer requisitos adicionales

Envases contaminados No reutilice los recipientes vacíos.

Nombre químico	RCRA	RCRA - Base para Listado	RCRA – Residuos de clase D	RCRA - Residuos de clase U
Metil-2-bencimidazol carbamato - 10605-21-7	U372	Included in waste streams: K156, K158		U372

3-Iodo-2-propinil butilcarbamato - 55406-53-6	(hazardous constituent - no waste number)			

14. INFORMACIÓN RELATIVA AL TRANSPORTE

DOT no regulado

15. INFORMACIÓN REGLAMENTARIA

Inventarios Internacionales

TSCA Todos los componentes de este producto están listados o exentos en el Inventario TSCA.

Leyenda

TSCA - Ley de Control de Sustancias Tóxicas de Estados Unidos, Sección 8(b) Inventario

Reglamentaciones Federales

Sección 313 de Título III de la Ley de Reautorización y Enmiendas de Superfund de 1986 (SARA). Este producto no contiene ninguna sustancia química sujeta a los requisitos de declaración de la Ley y Título 40 del Código de Regulaciones Federales, Parte 372.

Categorías de Riesgo SARA 311/312

Peligro Agudo para la Salud	no
Peligro Crónico para la Salud	no
Peligro de Incendio	No
Escape Brusco de Presión Peligrosa	No
Peligro de Reactivo	No

Ley del Agua Limpia

Este producto no contiene ninguna sustancia regulada como agente contaminante conforme a la Acta de agua limpia (40 CFR 122.421 y 40 CFR 122.42).

CERCLA

CERCLA Este material, tal como se suministra, no contiene sustancias reguladas como material peligroso según la Ley Integral de Respuesta, Compensación y Responsabilidad Ambiental (CERCLA) (40 CFR 302) o las Enmiendas al Superfondo y Ley de Reautorización (SARA) (40 CFR 355). Pueden existir requisitos específicos a reportar a nivel local, regional o estatal vinculados a la liberación de este material

Reglamentaciones de los Estados

Proposición 65 de California

Este producto contiene las siguientes sustancias químicas de la Proposición 65:

Nombre químico	CAS No	Proposición 65 de California
Sílice cristalina, cuarzo	14808-60-7	Carcinogen
Dióxido de titanio	13463-67-7	Carcinogen
Diuron	330-54-1	Carcinogen

Regulaciones de EE.UU. sobre el derecho a saber

Nombre químico	Nueva Jersey	Massachussets	Pensilvania	Illinois	Rhode Island
Sílice cristalina, cuarzo	X	X	X	-	X

Carbonato de calcio	X	X	X		X
Caolín	X	X	X		X
Dióxido de titanio	X	X	X	-	X

EPA EUA Información de la etiqueta

EPA Número del registro de pesticida No aplicable

16. OTRAS INFORMACIONES

NFPA	**Peligro para la salud** 1	**Inflamabilidad** 0	**Inestabilidad** 0	**Peligros físicos y químicos** -
HMIS	**Peligro para la salud** 1	**Inflamabilidad** 0	**Peligro físico** 0	**Precauciones individuales** X

Preparado Por

Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Fecha de emisión 21-jul-2015
Fecha de revisión 21-jul-2015
Nota de revisión Primera edición.

Renuncia

La información proporcionada en esta Hoja de Datos de Seguridad es correcta según nuestro leal saber y entender, grado de información y opinión en la fecha de su publicación. La información brindada esta diseñada sólo como guía para la manipulación, uso, procesamiento, almacenamiento, transportación, disposición y distribución seguros del producto y no debe considerarse como garantía o especificación de calidad. Los datos se refieren solamente al material específico designado en ella y puede no ser válida para los materiales usados en combinación con cualquier otro material o proceso, a menos que sea especificado en el texto.

Fin de la HDS

SAFETY DATA SHEET

Issuing Date 21-Jul-2015 **Revision Date** 21-Jul-2015 **Revision Number** 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Names: Roller-flex, Primecoat, Sanded Primecoat, Vintique, Clearshield, Elasto-flex, CIFS® Wood Grain Glaze and Sealer

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Water based acrylic coating

Uses advised against No information available

Supplier's details

Supplier Address
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency telephone number

Emergency Telephone Number 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Not classified

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word **None**

Hazard Statements
• None

The product contains no substances which at their given concentration are considered to be hazardous to health

Appearance Off white **Physical State** Liquid. **Odor** Slight

Precautionary Statements

Prevention
• None

General Advice
• None

Storage
• None

Disposal
• None

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information
Harmful to aquatic life. Very toxic to aquatic life with long lasting effects.

80.77% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Titanium dioxide	13463-67-7	5-10	*
Quartz	14808-60-7	0.1-1	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash skin with soap and water.

Inhalation Move to fresh air.

Ingestion Clean mouth with water and afterwards drink plenty of water.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical
No information available.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Avoid sanding and grinding surfaces containing dried paint film.

Environmental Precautions

Environmental Precautions Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. Collect spillage. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid sanding and grinding surfaces containing dried paint film.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Limestone 1317-65-3	-	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³	TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³
Quartz 14808-60-7	TWA: 0.025 mg/m³ respirable fraction	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	TWA: 5 mg/m³, as oil mist, mineral STEL: TWA: 10 mg/m³, as oil mist, mineral	TWA: 5 mg/m³, as oil mist, mineral	-
Silicon dioxide 7631-86-9	10 mg/m³	20 mppcf TWA; ((80)/(% SiO2) mg/m³)	IDLH: 3000 mg/m³ TWA: 6 mg/m³
Diuron 330-54-1	TWA: 10 mg/m³	(vacated) TWA: 10 mg/m³	TWA: 10 mg/m³
Kaolin 1332-58-7	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust

Ethanolamine 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m³ STEL: 6 ppm STEL: 15 mg/m³

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection No special protective equipment required.
Skin and Body Protection No special protective equipment required.
Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid.
Odor Slight.
Appearance Off white.
Odor Threshold No information available.

Property	Values	Remarks/ - Method
pH	8 - 10	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	> 100 °C	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	>1; No units, but stated at a given temperature	None known
Water Solubility	Miscible with water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	120-130 K.U.	None known

Flammable Properties Not flammable

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) No data available
VOC (g/l) 5 g/l

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	There is no data available for this product.
Eye Contact	There is no data available for this product.
Skin Contact	There is no data available for this product.
Ingestion	There is no data available for this product.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.
Mutagenic Effects No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide		Group 2B		X
Quartz	A2	Group 1	Known	X

ACGIH: (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)
Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)
X - Present

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product
Acute Toxicity 80.77% of the mixture consists of ingredient(s) of unknown toxicity.
LD50 Oral > 5000 mg/kg; (ATE)

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Propylene glycol 57-55-6	EC50 96 h: = 19000 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 51600 mg/L static (Oncorhynchus mykiss) LC50 96 h: 41 - 47 mL/L static (Oncorhynchus mykiss) LC50 96 h: = 51400 mg/L static (Pimephales promelas) LC50 96 h: = 710 mg/L (Pimephales promelas)	EC50 = 710 mg/L 30 min	EC50 24 h: > 10000 mg/L (Daphnia magna) EC50 48 h: > 1000 mg/L Static (Daphnia magna)
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate 25265-77-4	EC50: 18.4 mg/L Pseudokirchneriella subcapitata 72 h	LC50 96 h: = 30 mg/L (Pimephales promelas)		LC50 96 h: > 95 mg/L (Daphnia magna)
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Silicon dioxide 7631-86-9	EC50 72 h: = 440 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 5000 mg/L static (Brachydanio rerio)		EC50 48 h: = 7600 mg/L (Ceriodaphnia dubia)
2-Amino-2-methyl-1-propanol 124-68-5	EC50 72 h: = 520 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 190 mg/L static (Lepomis macrochirus)		EC50 48 h: = 193 mg/L (Daphnia magna)
Ammonium hydroxide 1336-21-6		LC50 96 h: = 8.2 mg/L (Pimephales promelas)		EC50 48 h: = 0.66 mg/L (water flea) EC50 48 h: = 0.66 mg/L (Daphnia pulex)
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine 4719-04-4	-	-	EC50 = 28.9 mg/L 15 min	-
Sodium nitrite 7632-00-0		LC50 96 h: = 0.19 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.092 - 0.13 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.4 - 0.6 mg/L semi-static (Oncorhynchus mykiss) LC50 96 h: 0.65 - 1 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 2.3 mg/L flow-through (Pimephales promelas) LC50 96 h: = 20 mg/L static (Pimephales promelas)		

Diuron 330-54-1	EC50 72 h: < 0.1 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: = 0.0007 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: = 0.022 mg/L (Desmodesmus subspicatus) EC50 72 h: = 0.036 mg/L static (Desmodesmus subspicatus)	LC50 96 h: 1.5-2.54 mg/L static (Oncorhynchus mykiss) LC50 96 h: 13.4-15 mg/L flow-through (Pimephales promelas) LC50 96 h: 13.4-15 mg/L static (Pimephales promelas) LC50 96 h: 2.3-3.3 mg/L static (Lepomis macrochirus) LC50 96 h: = 14.7 mg/L (Oncorhynchus mykiss) LC50 96 h: = 2.9 mg/L (Cyprinus carpio) LC50 96 h: = 4 mg/L (Lepomis macrochirus)	EC50 = 16.38 mg/L 5 min	EC50 48 h: 6.3 - 13 mg/L Static (Daphnia magna) EC50 48 h: = 1.4 mg/L (Daphnia magna)
3-Iodo-2-propynyl butylcarbamate 55406-53-6		LC50 96 h: 0.049-0.079 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.05-0.089 mg/L (Oncorhynchus mykiss) LC50 96 h: 0.14-0.32 mg/L flow-through (Lepomis macrochirus) LC50 96 h: 0.18-0.23 mg/L flow-through (Pimephales promelas)		
Polyethylene glycol 25322-68-3		LC50 24 h: > 5000 mg/L (Carassius auratus)	EC50 = 100000 mg/L 15 min	
Ethanolamine 141-43-5	EC50 72 h: = 15 mg/L (Desmodesmus subspicatus)	LC50: 227 mg/L Pimephales promelas 96 h flow-through LC50: 3684 mg/L Brachydanio rerio 96 h static LC50: 300-1000 mg/L Lepomis macrochirus 96 h static LC50: 114-196 mg/L Oncorhynchus mykiss 96 h static LC50: >200 mg/L Oncorhynchus mykiss 96 h flow-through	EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h EC50 = 13.7 mg/L 30 min	EC50 48 h: = 65 mg/L (Daphnia magna)

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methyl-2-benzimidazole carbamate - 10605-21-7	U372	Included in waste streams: K156, K158		U372
3-Iodo-2-propynyl butylcarbamate - 55406-53-6	(hazardous constituent - no waste number)			

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA All components of this product are either listed or are exempt on the TSCA inventory.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Titanium dioxide	13463-67-7	Carcinogen
Quartz	14808-60-7	Carcinogen
Diuron	330-54-1	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Limestone	X	X	X		X
Titanium dioxide	X	X	X	-	X
Propylene glycol	X	-	X	-	X
Quartz	X	X	X	-	X
Petroleum distillates, hydrotreated heavy paraffinic				X	

U.S. EPA Label Information
EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	**Health Hazard** 1	**Flammability** 0	**Instability** 0	**Physical and Chemical Hazards** -
HMIS	**Health Hazard** 1	**Flammability** 0	**Physical Hazard** 0	**Personal Protection** X

Prepared By
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Issuing Date 21-Jul-2015
Revision Date 21-Jul-2015
Revision Note Initial Release.

General Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

FICHA DE DATOS DE SEGURIDAD

Fecha de emisión 21-jul-2015 **Fecha de revisión** 21-jul-2015 **Número de Revisión** 0

1. IDENTIFICACIÓN DE LA SUBSTANCIA/PREPARACIÓN Y DE LA SOCIEDAD/EMPRESA

Identificador de producto SGA

Nombre del producto **Roller-flex, Primecoat, Sanded Primecoat, Vintique, Clearshield, Elasto-flex, CIFS® Wood Grain Glaze and Sealer**

Otros medios de identificación

Sinónimos ninguno

Uso recomendado del producto químico y restricciones de uso

Uso recomendado Revestimiento acrílico a base de agua

Usos contraindicados No hay información disponible

Datos del proveedor

Dirección de proveedor
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Teléfono de emergencia

Teléfono de emergencia 1-800-535-5053

2. IDENTIFICACIÓN DE LOS PELIGROS

Clasificación

Esta sustancia no es considerada peligrosa de acuerdo con la norma de comunicación de peligros de OSHA 2012 (29 CFR 1910.1200).

No está clasificado

Elementos de la etiqueta SGA/GHS, incluyendo las declaraciones cautelares

Revisión de la Emergencia

Palabra de advertencia **ninguno**
Declaraciones sobre riesgos
• ninguno

El producto no contiene sustancias que se consideren peligrosas a la salud a las concentraciones previstas
Aspecto Blanco pálido **Estado físico** líquido. **Olor** ligero

Medidas de precaución

Prevención
• ninguno

Consejos generales
• Ninguno

Almacenamiento
• ninguno

Eliminación
• ninguno

Peligro no clasificado en otra parte (HNOC)

No aplicable

Otra información
Nocivo para los organismos acuáticos. Muy tóxico para los organismos acuáticos, con efectos nocivos duraderos.

80.77 % de la mezcla consiste en ingredientes de toxicidad desconocida

3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS INGREDIENTES

Nombre químico	CAS No	% en peso	Secreto Comercial
Dióxido de titanio	13463-67-7	5-10	*
Sílice cristalina, cuarzo	14808-60-7	0.1-1	*

**El porcentaje exacto (concentración) en la composición no se revela por ser un secreto comercial.*

4. PRIMEROS AUXILIOS

Descripción de las medidas necesarias en primeros auxilios

Contacto con los ojos Lávese a fondo con agua abundante durante 15 minutos por lo menos y consulte al médico.

Contacto con la piel Lave la piel con agua y jabón.

Inhalación Salga al aire libre.

Ingestión Lávese la boca con agua y después beba agua abundante

Síntomas/efectos más importante, agudos y retardados

Síntomas/efectos más importantes No hay información disponible.

Indicación de la atención médica inmediata y tratamiento especial necesario, si se necesita

Notas para el médico Trate sintomáticamente.

5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Medios de extinción adecuados
Use medidas de extinción que sean apropiadas a las circunstancias locales y de sus alrededores.

Medios no adecuados de extinción No hay información disponible.

Riesgos específicos debidos a la sustancia química
No hay información disponible.

Datos sobre Peligros de Explosión
Sensible a impactos mecánicos ninguno.
Sensible a descargas estáticas ninguno.

Equipo de protección y precauciones para bomberos
Como en cualquier incendio, llevar un aparato respiratorio autónomo con demanda de presión, MSHA/NIOSH (aprobado o equivalente) y una ropa de protección total.

6. MEDIDAS QUE DEBEN TOMARSE EN CASO DE VERTIDO ACCIDENTAL

Precauciones personales, equipo de protección y procedimientos de emergencia

Precauciones individuales Asegure una ventilación apropiada. Evitar el lijado o pulido de superficies que contengan capas secas de pintura.

Precauciones ambientales

Precauciones ambientales No dispersar en el medio ambiente. Eliminación de contenidos /contenedor a una planta de eliminación de residuos aprobada. Recoger los vertidos. Véase la Sección 12 para ver la Información Ecológica adicional.

Métodos y materiales de contención y limpieza

Métodos de contención Impidas nuevos escapes o derrames de forma segura.

Métodos de limpieza Recójalo y traspáselo a contenedores correctamente etiquetados.

7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones para un manejo seguro

Manipulación Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad. Evitar el lijado o pulido de superficies que contengan capas secas de pintura.

Condiciones de almacenamiento seguro, incluyendo cualquier incompatibilidad

Almacenamiento Cierre los recipientes herméticamente y manténgalos en lugar seco, fresco y bien ventilado.

Productos incompatibles No se conocen de acuerdo con la información suministrada.

8. CONTROLES DE EXPOSICION Y PROTECCION PERSONAL

Parámetros de control

Directrices de exposición

Nombre químico	Valor límite umbral (TLV), ACGIH	Límite permisible de exposición (PEL), OSHA	Peligro inmediato para la vida o la salud (IDLH), NIOSH
Carbonato de calcio 1317-65-3	-	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³	TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust
Dióxido de titanio 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³
Sílice cristalina, cuarzo 14808-60-7	TWA: 0.025 mg/m³ respirable fraction	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Destilados del petróleo, parafínicos pesados hidrotratados 64742-54-7	TWA: 5 mg/m³, as oil mist, mineral STEL: TWA: 10 mg/m³, as oil mist, mineral	TWA: 5 mg/m³, as oil mist, mineral	-
Silico amoria 7631-86-9	10 mg/m³	20 mppcf TWA; ((80)/(% SiO2) mg/m³)	IDLH: 3000 mg/m³ TWA: 6 mg/m³
Diuron 330-54-1	TWA: 10 mg/m³	(vacated) TWA: 10 mg/m³	TWA: 10 mg/m³

Caolín 1332-58-7	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Etanolamina 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m³ STEL: 6 ppm STEL: 15 mg/m³

Controles de ingeniería apropiados

Disposiciones de ingeniería Duchas
Estaciones lavaojos
Sistemas de ventilación

Medidas de protección individual, tales como equipo de protección personal (PPE)

Protección de los ojos / cara No se requiere equipo especial de protección.
Protección de la piel y del cuerpo No se requiere equipo especial de protección.
Protección respiratoria Si se exceden los límites de exposición o se presenta una irritación, se debe de usar la protección respiratoria aprobada por NIOSH/MSHA. Los respiradores de aire de presión positiva proporcionados pueden ser exigidos cuando existen altas concentraciones de contaminantes aerotransportados. La protección respiratoria se debe proporcionar de acuerdo con regulaciones locales actuales

Medidas de higiene Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad.

9. PROPIEDADES FÍSICAS Y QUÍMICAS

Información sobre las propiedades físicas y químicas básicas

Estado físico líquido. **Aspecto** Blanco pálido.
Olor ligero. **Límite de olor** No hay información disponible.

Propiedades	Valores	Observaciones/ - Método
pH	8 - 10	No conocidos
Punto de fusión/rango	sin datos disponibles	No conocidos
Punto / intervalo de ebullición	> 100 °C	No conocidos
Punto de inflamación	sin datos disponibles	No conocidos
Índice de evaporación	sin datos disponibles	No conocidos
Inflamabilidad (sólido, gas)	sin datos disponibles	No conocidos
Límites de Inflamabilidad en el Aire		
límite superior de inflamabilidad	sin datos disponibles	
límite inferior de inflamabilidad	sin datos disponibles	
Presión de vapor	sin datos disponibles	No conocidos
Densidad de vapor	sin datos disponibles	No conocidos
Gravedad Específicas	>1; Sin unidades, pero fijado a una temperatura dada	No conocidos
Hidrosolubilidad	Miscible con agua	No conocidos
Solubilidad en otros disolventes	sin datos disponibles	No conocidos
Coeficiente de partición: (n-octanol/agua)	sin datos disponibles	No conocidos
Temperatura de auto-inflamación	sin datos disponibles	No conocidos
Temperatura de descomposición	sin datos disponibles	No conocidos
Viscosidad	120-130 K.U.	No conocidos

Propiedades inflamables No inflamable

Propiedades explosivas sin datos disponibles
Propiedades comburentes sin datos disponibles

Otra información

Contenido (%) COV (compuestos orgánicos volátiles)	sin datos disponibles
COV (g/l)	5 g/l

10. ESTABILIDAD Y REACTIVIDAD

Reactividad

sin datos disponibles

Estabilidad química

Estable bajo las condiciones de almacenamiento recomendadas.

Posibilidad de reacciones peligrosas

Nada en condiciones normales de proceso.

Polimerización peligrosa

La polimerización peligrosa no ocurre.

Condiciones a evitar

No se conocen de acuerdo con la información suministrada.

Materiales incompatibles

No se conocen de acuerdo con la información suministrada.

Productos de descomposición peligrosos

No se conocen de acuerdo con la información suministrada.

11. INFORMACIÓN TOXICOLÓGICA

Información sobre las rutas probables de exposición

Información del Producto

Inhalación	No existe ningún dato disponible para ese producto.
Contacto con los ojos	No existe ningún dato disponible para ese producto.
Contacto con la piel	No existe ningún dato disponible para ese producto.
Ingestión	No existe ningún dato disponible para ese producto.

Síntomas relacionados a las características físicas, químicas y toxicológicas

Síntomas	No hay información disponible

Efectos inmediatos y tardíos y también efectos crónicos de exposición a corto y largo plazo

Sensibilización	No hay información disponible.
efectos mutágenos	No hay información disponible.
Carcinogenicidad	La tabla más abajo indica los ingredientes listados por cada agencia como carcinógenos. Este producto contiene dióxido de titanio en forma no respirable. Es poco probable que ocurra inhalación de dióxido de titanio debido a la exposición a este producto. Este producto contiene sílice cristalina (cuarzo) en forma no respirable. La inhalación de sílice cristalina es poco probable que ocurra si hay exposición a este producto.

Nombre químico	ACGIH	IARC (Agencia Internacional para la Investigación sobre el Cáncer)	NTP	OSHA
Dióxido de titanio		Group 2B		X
Sílice cristalina, cuarzo	A2	Group 1	Known	X

ACGIH: (Conferencia Americana de Higienistas Industriales Gubernamentales)
A2 - Carcinógeno humano sospechoso

IARC (Agencia Internacional para la Investigación sobre el Cáncer)
Grupo 1 - Carcinógeno para los humanos
Grupo 2B - Posiblemente carcinógeno para los humanos

NTP: (Programa Nacional de Toxicología)
Conocido – Carcinógeno conocido

OSHA: (Administración de Seguridad y Salud Ocupacional)
X – Presente

Toxicidad a la reproducción No hay información disponible.
Toxicidad sistémica a un órgano específico objetivo (exposición única) No hay información disponible.
Toxicidad sistémica a un órgano específico objetivo (exposición repetida) No hay información disponible.
Peligro de aspiración No hay información disponible.

Medidas numéricas de toxicidad - Producto
Toxicidad aguda 80.77 % de la mezcla consiste en ingredientes de toxicidad desconocida
DL50 Oral > 5000 mg/kg; (ATE)

12. INFORMACIONES ECOLÓGICAS

Ecotoxicidad
El impacto ambiental de este producto no se ha investigado completamente.

Nombre químico	Toxicidad para las algas	Toxicidad para peces	Toxicidad hacia los microorganismos	Daphnia magna (Pulga de mar grande)
Propilenglicol 57-55-6	EC50 96 h: = 19000 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 51600 mg/L static (Oncorhynchus mykiss) LC50 96 h: 41 - 47 mL/L static (Oncorhynchus mykiss) LC50 96 h: = 51400 mg/L static (Pimephales promelas) LC50 96 h: = 710 mg/L (Pimephales promelas)	EC50 = 710 mg/L 30 min	EC50 24 h: > 10000 mg/L (Daphnia magna) EC50 48 h: > 1000 mg/L Static (Daphnia magna)
2,2,4-Trimetilpentano-1,3-diol monoisobutirato 25265-77-4	EC50: 18.4 mg/L Pseudokirchneriella subcapitata 72 h	LC50 96 h: = 30 mg/L (Pimephales promelas)		LC50 96 h: > 95 mg/L (Daphnia magna)
Destilados del petróleo, parafínicos pesados hidrotratados 64742-54-7		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Silico amoria 7631-86-9	EC50 72 h: = 440 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 5000 mg/L static (Brachydanio rerio)		EC50 48 h: = 7600 mg/L (Ceriodaphnia dubia)
2-Amino-2-metil-1-propanol 124-68-5	EC50 72 h: = 520 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 190 mg/L static (Lepomis macrochirus)		EC50 48 h: = 193 mg/L (Daphnia magna)
Hidróxido de amonio 1336-21-6		LC50 96 h: = 8.2 mg/L (Pimephales promelas)		EC50 48 h: = 0.66 mg/L (water flea) EC50 48 h: = 0.66 mg/L (Daphnia pulex)

2,2',2"-(hexahidro-1,3,5-triazina-1,3,5-triil) trietanol 4719-04-4	-	-	EC50 = 28.9 mg/L 15 min	-
Nitrito de sodio 7632-00-0		LC50 96 h: = 0.19 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.092 - 0.13 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.4 - 0.6 mg/L semi-static (Oncorhynchus mykiss) LC50 96 h: 0.65 - 1 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 2.3 mg/L flow-through (Pimephales promelas) LC50 96 h: = 20 mg/L static (Pimephales promelas)		
Diuron 330-54-1	EC50 72 h: < 0.1 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: = 0.0007 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: = 0.022 mg/L (Desmodesmus subspicatus) EC50 72 h: = 0.036 mg/L static (Desmodesmus subspicatus)	LC50 96 h: 1.5-2.54 mg/L static (Oncorhynchus mykiss) LC50 96 h: 13.4-15 mg/L flow-through (Pimephales promelas) LC50 96 h: 13.4-15 mg/L static (Pimephales promelas) LC50 96 h: 2.3-3.3 mg/L static (Lepomis macrochirus) LC50 96 h: = 14.7 mg/L (Oncorhynchus mykiss) LC50 96 h: = 2.9 mg/L (Cyprinus carpio) LC50 96 h: = 4 mg/L (Lepomis macrochirus)	EC50 = 16.38 mg/L 5 min	EC50 48 h: 6.3 - 13 mg/L Static (Daphnia magna) EC50 48 h: = 1.4 mg/L (Daphnia magna)
3-Iodo-2-propinil butilcarbamato 55406-53-6		LC50 96 h: 0.049-0.079 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.05-0.089 mg/L (Oncorhynchus mykiss) LC50 96 h: 0.14-0.32 mg/L flow-through (Lepomis macrochirus) LC50 96 h: 0.18-0.23 mg/L flow-through (Pimephales promelas)		
Polietilenglicol 25322-68-3		LC50 24 h: > 5000 mg/L (Carassius auratus)	EC50 = 100000 mg/L 15 min	
Etanolamina 141-43-5	EC50 72 h: = 15 mg/L (Desmodesmus subspicatus)	LC50: 227 mg/L Pimephales promelas 96 h flow-through LC50: 3684 mg/L Brachydanio rerio 96 h static LC50: 300-1000 mg/L Lepomis macrochirus 96 h static LC50: 114-196 mg/L Oncorhynchus mykiss 96 h static LC50: >200 mg/L Oncorhynchus mykiss 96 h flow-through	EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h EC50 = 13.7 mg/L 30 min	EC50 48 h: = 65 mg/L (Daphnia magna)

Persistencia y degradabilidad No hay información disponible.

Bioacumulación No hay información disponible.

Otros efectos nocivos
No hay información disponible

13. INFORMACIÓN RELATIVA A LA ELIMINACIÓN DE LOS PRODUCTOS

Métodos de eliminación de los desechos Este material, tal como se suministra, no es un residuo peligroso de acuerdo con las Regulaciones Federales (40 CFR 261). Este material puede convertirse en un residuo peligroso si se mezcla o entra en contacto con un residuo peligroso, si le fueran agregadas sustancias químicas, o si el material es procesado o alterado de alguna manera. Consúltese la regulación 40 CFR 261 para determinar si el material alterado obtenido es un residuo peligroso. Consúltense las regulaciones estatales, regionales o locales pertinentes para conocer requisitos adicionales

Envases contaminados No reutilice los recipientes vacíos.

Nombre químico	RCRA	RCRA - Base para Listado	RCRA – Residuos de clase D	RCRA - Residuos de clase U
Metil-2-bencimidazol carbamato - 10605-21-7	U372	Included in waste streams: K156, K158		U372
3-Iodo-2-propinil butilcarbamato - 55406-53-6	(hazardous constituent - no waste number)			

14. INFORMACIÓN RELATIVA AL TRANSPORTE

DOT no regulado

15. INFORMACIÓN REGLAMENTARIA

Inventarios Internacionales

TSCA Todos los componentes de este producto están listados o exentos en el Inventario TSCA.

Leyenda

TSCA - Ley de Control de Sustancias Tóxicas de Estados Unidos, Sección 8(b) Inventario

Reglamentaciones Federales

Sección 313 de Título III de la Ley de Reautorización y Enmiendas de Superfund de 1986 (SARA). Este producto no contiene ninguna sustancia química sujeta a los requisitos de declaración de la Ley y Título 40 del Código de Regulaciones Federales, Parte 372.

Categorías de Riesgo SARA 311/312

Peligro Agudo para la Salud	no
Peligro Crónico para la Salud	no
Peligro de Incendio	No
Escape Brusco de Presión Peligrosa	No
Peligro de Reactivo	No

Ley del Agua Limpia

Este producto no contiene ninguna sustancia regulada como agente contaminante conforme a la Acta de agua limpia (40 CFR 122.421 y 40 CFR 122.42).

CERCLA

CERCLA Este material, tal como se suministra, no contiene sustancias reguladas como material peligroso según la Ley Integral de Respuesta, Compensación y Responsabilidad Ambiental (CERCLA) (40 CFR 302) o las Enmiendas al Superfondo y Ley de Reautorización (SARA) (40 CFR 355). Pueden existir requisitos específicos a reportar a nivel local, regional o estatal vinculados a la liberación de este material

Reglamentaciones de los Estados

Proposición 65 de California

Este producto contiene las siguientes sustancias químicas de la Proposición 65:

Nombre químico	CAS No	Proposición 65 de California
Dióxido de titanio	13463-67-7	Carcinogen
Sílice cristalina, cuarzo	14808-60-7	Carcinogen
Diuron	330-54-1	Carcinogen

Regulaciones de EE.UU. sobre el derecho a saber

Nombre químico	Nueva Jersey	Massachussets	Pensilvania	Illinois	Rhode Island
Carbonato de calcio	X	X	X		X
Dióxido de titanio	X	X	X	-	X
Propilenglicol	X	-	X	-	X
Sílice cristalina, cuarzo	X	X	X	-	X
Destilados del petróleo, parafínicos pesados hidrotratados				X	

EPA EUA Información de la etiqueta

EPA Número del registro de pesticida No aplicable

16. OTRAS INFORMACIONES

NFPA **Peligro para la salud** 1 **Inflamabilidad** 0 **Inestabilidad** 0 **Peligros físicos y químicos** -

HMIS **Peligro para la salud** 1 **Inflamabilidad** 0 **Peligro físico** 0 **Precauciones individuales** X

Preparado Por

Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Fecha de emisión 21-jul-2015
Fecha de revisión 21-jul-2015
Nota de revisión Primera edición.

Renuncia

La información proporcionada en esta Hoja de Datos de Seguridad es correcta según nuestro leal saber y entender, grado de información y opinión en la fecha de su publicación. La información brindada esta diseñada sólo como guía para la manipulación, uso, procesamiento, almacenamiento, transportación, disposición y distribución seguros del producto y no debe considerarse como garantía o especificación de calidad. Los datos se refieren solamente al material específico designado en ella y puede no ser válida para los materiales usados en combinación con cualquier otro material o proceso, a menos que sea especificado en el texto.

Fin de la HDS

SAFETY DATA SHEET

Issuing Date 27-Jan-2016 **Revision Date** 27-Jan-2016 **Revision Number** 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name **Quick Dry**

Other means of identification

UN-Number UN3082

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Acrylic finish dry time accelerant

Uses advised against No information available

Supplier's details

Supplier Address
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency telephone number

Emergency Telephone Number 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word **Warning**

Hazard Statements
• Causes skin irritation
• Causes serious eye irritation
• May cause respiratory irritation.

Appearance Clear. **Physical State** Liquid. **Odor** Strong, Ammonia.

Precautionary Statements

Prevention

- Wash face, hands and any exposed skin thoroughly after handling.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.

General Advice

- Specific treatment (see supplemental instructions on the administration of antidotes on this label)

Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention.

Skin

- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice/attention.
- Take off contaminated clothing and wash before reuse.

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or doctor/physician if you feel unwell.

Storage

- Store in a well-ventilated place. Keep container tightly closed.
- Store locked up.

Disposal

- Dispose of contents/container to an approved waste disposal plant.

Hazard Not Otherwise Classified (HNOC)

Not applicable.

Other information

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

70.0002% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Zinc oxide	1314-13-2	10-30	*
Ammonium hydroxide	1336-21-6	5-10	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Skin Contact IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects Serious eye irritation or damage. Skin irritation.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical
No information available.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Wash thoroughly after handling. Refer to Section 8.

Environmental Precautions

Environmental Precautions Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. Collect spillage. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Avoid freezing. Avoid excessive heat.

Incompatible Products Strong acids. Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Zinc oxide 1314-13-2	STEL: 10 mg/m³ respirable fraction TWA: 2 mg/m³ respirable fraction	TWA: 5 mg/m³ fume TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 5 mg/m³ fume (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction (vacated) STEL: 10 mg/m³ fume	IDLH: 500 mg/m³ Ceiling: 15 mg/m³ dust TWA: 5 mg/m³ dust and fume STEL: 10 mg/m³ fume

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles. Face-shield.
Skin and Body Protection Long sleeved clothing. Impervious gloves.
Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid.
Appearance Clear.
Odor Strong, Ammonia.
Odor Threshold No information available.

Property	Values	Remarks/ - Method
pH	Approx. 11	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	100 °C	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	>1.	None known
Water Solubility	Dispersable	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known

Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Not flammable	
Explosive Properties	No data available	
Oxidizing Properties	No data available	

Other information

VOC Content (%) No data available

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Excessive heat. Do not freeze.

Incompatible materials

Strong acids. Strong oxidizing agents.

Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO_2). Ammonia. Thermal decomposition can lead to release of irritating gases and vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Causes serious eye irritation.
Skin Contact	Irritating to skin.
Ingestion	May cause irritation to the gastrointestinal tract. May cause drowsiness and dizziness.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Skin and eye contact may include pain, impaired vision, severe local redness and tissue damage.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.
Mutagenic Effects No information available.
Carcinogenicity Contains no ingredients above reportable quantities listed as a carcinogen.

Reproductive Toxicity No information available.
STOT - single exposure May cause damage to organs if swallowed. May cause drowsiness and dizziness.
STOT - repeated exposure No information available.
Target Organ Effects Skin. Eyes. Respiratory system.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product
Acute Toxicity 70.0002% of the mixture consists of ingredient(s) of unknown toxicity.
The following values are calculated based on chapter 3.1 of the GHS document:
LD50 Oral > 5000 mg/kg; Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Zinc oxide 1314-13-2	Selenastrum capricornutum 72-hour EC50: 0.14 mg/l	Oncorhynchus mykiss 96-hour LC50: 0.14 mg/l		Daphnia magna 48-hour EC50: 0.07 mg/l
Ammonium hydroxide 1336-21-6		LC50 96 h: = 8.2 mg/L (Pimephales promelas)		EC50 48 h: = 0.66 mg/L (water flea) EC50 48 h: = 0.66 mg/L (Daphnia pulex)

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT
UN-Number UN3082
Proper shipping name Environmentally hazardous substance, liquid, n.o.s.
Hazard Class 9
Packing Group III
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc Oxide), 9, III
Emergency Response Guide Number 171

IATA

UN-Number	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
Hazard Class	9
Packing Group	III
ERG Code	9L
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide), 9, III

IMDG/IMO

UN-Number	UN3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s.
Hazard Class	9
Packing Group	III
EmS No.	F-A, S-F
Description	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide), 9, III

15. REGULATORY INFORMATION

International Inventories

TSCA All components of this product are either listed or are exempt on the TSCA inventory.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Zinc oxide	1314-13-2	19.9999	1.0
Ammonium hydroxide	1336-21-6	9.9999	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc oxide		X		
Ammonium hydroxide	1000 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Ammonium hydroxide	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Carbonic acid, ammonium salt			X		
Zinc oxide	X	X	X		
Ammonium hydroxide	X	X	X		

U.S. EPA Label Information
EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	**Health Hazard** 2	**Flammability** 0	**Instability** 0	**Physical and Chemical Hazards** -
HMIS	**Health Hazard** 2*	**Flammability** 0	**Physical Hazard** 0	**Personal Protection** X

**Indicates a chronic health hazard.*

Prepared By
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Issuing Date 27-Jan-2016
Revision Date 27-Jan-2016
Revision Note Initial Release.

General Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

FICHA DE DATOS DE SEGURIDAD

Fecha de emisión 27-ene-2016 **Fecha de revisión** 27-ene-2016 **Número de Revisión** 0

1. IDENTIFICACIÓN DE LA SUBSTANCIA/PREPARACIÓN Y DE LA SOCIEDAD/EMPRESA

Identificador de producto SGA

Nombre del producto **Quick Dry**

Otros medios de identificación

No.UN UN3082

Sinónimos ninguno

Uso recomendado del producto químico y restricciones de uso

Uso recomendado Acelerador del tiempo de secado del acabado acrílico

Usos contraindicados No hay información disponible

Datos del proveedor

Dirección de proveedor
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Teléfono de emergencia

Teléfono de emergencia 1-800-535-5053

2. IDENTIFICACIÓN DE LOS PELIGROS

Clasificación

Esta sustancia es considerada peligrosa de acuerdo con la norma de comunicación de peligros de OSHA 2012 (29 CFR 1910.1200).

Corrosión/irritación cutáneas	Categoría 2
Lesiones oculares graves/irritación ocular	Categoría 2A
Toxicidad sistémica a un órgano específico objetivo - exposición única	Categoría 3

Elementos de la etiqueta SGA/GHS, incluyendo las declaraciones cautelares

Revisión de la Emergencia

Palabra de advertencia **Advertencia**

Declaraciones sobre riesgos
• Provoca irritación cutánea
• Provoca irritación ocular grave
• Puede irritar las vías respiratorias.

Aspecto Transparente. **Estado físico** líquido. **Olor** fuerte, Amoníaco.

Medidas de precaución

Prevención

• Lávese la cara, manos y toda la piel expuesta, minuciosamente después del manejo
• Evitar respirar polvos/humos/gases/nieblas/vapores/aerosoles
• Utilizar sólo al aire libre o en un lugar bien ventilado
• Usar guantes/ropa de protección/equipo de protección para los ojos/la cara

Consejos generales

• Tratamiento específico (véanse las instrucciones complementarias sobre administración de antídotos de esta etiqueta)

Ojos

• EN CASO DE CONTACTO CON LOS OJOS: Enjuagar con agua cuidadosamente durante varios minutos. Quitar las lentes de contacto cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado
• Si persiste la irritación de los ojos: Busque consulta médica/atención médica

Piel

• EN CASO DE CONTACTO CON LA PIEL: Lavar con abundante agua y jabón
• Si ocurre irritación de la piel: Busque consulta médica/atención médica
• Quitar la ropa contaminada y lavarla antes de volverla a usar

Inhalación

• EN CASO DE INHALACIÓN: Transportar a la víctima al aire libre y mantenerla en una posición que facilite su respiración
• Llamar a un CENTRO DE TOXICOLOGÍA o a un médico si la persona se encuentra mal

Almacenamiento

• Almacenar en un lugar bien ventilado. Guardar el recipiente herméticamente cerrado
• Guardar bajo llave

Eliminación

• Eliminación de contenidos /contenedor a una planta de eliminación de residuos aprobada

Peligro no clasificado en otra parte (HNOC)

No aplicable.

Otra información

Tóxico para los organismos acuáticos. Tóxico para los organismos acuáticos, con efectos nocivos duraderos.

70.0002 % de la mezcla consiste en ingredientes de toxicidad desconocida

3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS INGREDIENTES

Nombre químico	CAS No	% en peso	Secreto Comercial
Óxido de zinc	1314-13-2	10-30	*
Hidróxido de amonio	1336-21-6	5-10	*

**El porcentaje exacto (concentración) en la composición no se revela por ser un secreto comercial.*

4. PRIMEROS AUXILIOS

Descripción de las medidas necesarias en primeros auxilios

Contacto con los ojos EN CASO DE CONTACTO CON LOS OJOS: Enjuagar con agua cuidadosamente durante varios minutos. Quitar las lentes de contacto cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado. Si la irritación ocular persiste: Consultar a un médico.

Contacto con la piel EN CASO DE CONTACTO CON LA PIEL: Lavar con abundante agua y jabón. Si ocurre irritación o erupción de la piel: Busque consulta médica/atención médica.

Inhalación Salga al aire libre. Si persisten los síntomas, llame a un médico.

Ingestión Lávese la boca con agua y después beba agua abundante. No provoque vómitos. Nunca debe administrarse nada por la boca a una persona inconsciente. Consulte a un médico.

Síntomas/efectos más importante, agudos y retardados

Síntomas/efectos más importantes Irritación o lesión ocular grave. Irritación de la piel

Indicación de la atención médica inmediata y tratamiento especial necesario, si se necesita

Notas para el médico Trate sintomáticamente.

5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Medios de extinción adecuados
Use medidas de extinción que sean apropiadas a las circunstancias locales y de sus alrededores.

Medios no adecuados de extinción No hay información disponible.

Riesgos específicos debidos a la sustancia química
No hay información disponible.

Datos sobre Peligros de Explosión
Sensible a impactos mecánicos ninguno.
Sensible a descargas estáticas ninguno.

Equipo de protección y precauciones para bomberos
Como en cualquier incendio, llevar un aparato respiratorio autónomo con demanda de presión, MSHA/NIOSH (aprobado o equivalente) y una ropa de protección total.

6. MEDIDAS QUE DEBEN TOMARSE EN CASO DE VERTIDO ACCIDENTAL

Precauciones personales, equipo de protección y procedimientos de emergencia

Precauciones individuales Asegure una ventilación apropiada. Evite el contacto con la piel, ojos y ropa. Utilice guantes adecuados y protección para ojos y cara. Lavarse cuidadosamente después de la manipulación. Consultar la Sección 8.

Precauciones ambientales

Precauciones ambientales No dispersar en el medio ambiente. Eliminación de contenidos /contenedor a una planta de eliminación de residuos aprobada. Recoger los vertidos. Véase la Sección 12 para ver la Información Ecológica adicional.

Métodos y materiales de contención y limpieza

Métodos de contención Impidas nuevos escapes o derrames de forma segura.

Métodos de limpieza Recójalo y traspáselo a contenedores correctamente etiquetados.

7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones para un manejo seguro

Manipulación Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad. Evite el contacto con la piel, ojos y ropa. Use equipo de protección personal. Quítese la ropa contaminada y lávela antes de reutilizarla.

Condiciones de almacenamiento seguro, incluyendo cualquier incompatibilidad

Almacenamiento Cierre los recipientes herméticamente y manténgalos en lugar seco, fresco y bien ventilado. Evitar la congelación. Evitar el calor excesivo.

Productos incompatibles Ácidos fuertes. Agentes oxidantes fuertes.

8. CONTROLES DE EXPOSICION Y PROTECCION PERSONAL

Parámetros de control

Directrices de exposición

Nombre químico	Valor límite umbral (TLV), ACGIH	Límite permisible de exposición (PEL), OSHA	Peligro inmediato para la vida o la salud (IDLH), NIOSH
Óxido de zinc 1314-13-2	STEL: 10 mg/m³ respirable fraction TWA: 2 mg/m³ respirable fraction	TWA: 5 mg/m³ fume TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 5 mg/m³ fume (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction (vacated) STEL: 10 mg/m³ fume	IDLH: 500 mg/m³ Ceiling: 15 mg/m³ dust TWA: 5 mg/m³ dust and fume STEL: 10 mg/m³ fume

Controles de ingeniería apropiados

Disposiciones de ingeniería Duchas
Estaciones lavaojos
Sistemas de ventilación

Medidas de protección individual, tales como equipo de protección personal (PPE)

Protección de los ojos / cara Gafas de seguridad ajustadas al contorno del rostro. Pantalla facial.
Protección de la piel y del cuerpo Ropa de manga larga. Guantes impermeables.
Protección respiratoria Si se exceden los límites de exposición o se presenta una irritación, se debe de usar la protección respiratoria aprobada por NIOSH/MSHA. Los respiradores de aire de presión positiva proporcionados pueden ser exigidos cuando existen altas concentraciones de contaminantes aerotransportados. La protección respiratoria se debe proporcionar de acuerdo con regulaciones locales actuales

Medidas de higiene Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad.

9. PROPIEDADES FÍSICAS Y QUÍMICAS

Información sobre las propiedades físicas y químicas básicas

Estado físico líquido.
Olor fuerte, Amoníaco.
Aspecto Transparente.
Límite de olor No hay información disponible.

Propiedades	Valores	Observaciones/ - Método
pH	aprox. 11	No conocidos
Punto de fusión/rango	sin datos disponibles	No conocidos
Punto / intervalo de ebullición	100 °C	No conocidos
Punto de inflamación	sin datos disponibles	No conocidos
Índice de evaporación	sin datos disponibles	No conocidos
Inflamabilidad (sólido, gas)	sin datos disponibles	No conocidos
Límites de Inflamabilidad en el Aire		
límite superior de inflamabilidad	sin datos disponibles	
límite inferior de inflamabilidad	sin datos disponibles	

Presión de vapor	sin datos disponibles	No conocidos
Densidad de vapor	sin datos disponibles	No conocidos
Gravedad Específicas	>1.	No conocidos
Hidrosolubilidad	Dispersable	No conocidos
Solubilidad en otros disolventes	sin datos disponibles	No conocidos
Coeficiente de partición: (n-octanol/agua)	sin datos disponibles	No conocidos
Temperatura de auto-inflamación	sin datos disponibles	No conocidos
Temperatura de descomposición	sin datos disponibles	No conocidos
Viscosidad	sin datos disponibles	No conocidos

Propiedades inflamables No inflamable

Propiedades explosivas sin datos disponibles
Propiedades comburentes sin datos disponibles

Otra información

Contenido (%) COV (compuestos orgánicos volátiles) sin datos disponibles

10. ESTABILIDAD Y REACTIVIDAD

Reactividad

sin datos disponibles

Estabilidad química

Estable bajo las condiciones de almacenamiento recomendadas.

Posibilidad de reacciones peligrosas

Nada en condiciones normales de proceso.

Polimerización peligrosa

La polimerización peligrosa no ocurre.

Condiciones a evitar

Calor excesivo No lo congele.

Materiales incompatibles

Ácidos fuertes. Agentes oxidantes fuertes.

Productos de descomposición peligrosos

Monóxido de carbono Bióxido de carbono (CO_2) Amoníaco. La descomposición térmica puede llegar a desprender gases y vapores irritantes.

11. INFORMACIÓN TOXICOLÓGICA

Información sobre las rutas probables de exposición

Información del Producto

Inhalación	Puede producir irritaciones en el sistema respiratorio.
Contacto con los ojos	Provoca irritación ocular grave.
Contacto con la piel	Irrita la piel.
Ingestión	Puede causar irritación al tracto gastrointestinal. Puede provocar somnolencia y vértigo.

Síntomas relacionados a las características físicas, químicas y toxicológicas

Síntomas El contacto con la piel y los ojos puede provocar dolor, pérdida de la visión, enrojecimiento local severo y daño tisular.

Efectos inmediatos y tardíos y también efectos crónicos de exposición a corto y largo plazo

Sensibilización No hay información disponible.
efectos mutágenos No hay información disponible.
Carcinogenicidad No contiene ingredientes listados como carcinógeno por encima de las cantidades de reporte

Toxicidad a la reproducción No hay información disponible.
Toxicidad sistémica a un órgano específico objetivo (exposición única) Puede provocar daños en los órganos en caso de ingestión. Puede provocar somnolencia y vértigo.
Toxicidad sistémica a un órgano específico objetivo (exposición repetida) No hay información disponible.
Efectos sobre los Órganos de Destino Piel. Ojos. Sistema respiratorio.
Peligro de aspiración No hay información disponible.

Medidas numéricas de toxicidad - Producto
Toxicidad aguda 70.0002 % de la mezcla consiste en ingredientes de toxicidad desconocida
Los siguientes valores se han calculado sobre la base del capítulo 3.1 del documento SGA:
DL50 Oral > 5000 mg/kg; Estimación de la toxicidad aguda

12. INFORMACIONES ECOLÓGICAS

Ecotoxicidad
Tóxico para los organismos acuáticos. Tóxico para los organismos acuáticos, con efectos nocivos duraderos.

Nombre químico	Toxicidad para las algas	Toxicidad para peces	Toxicidad hacia los microorganismos	Daphnia magna (Pulga de mar grande)
Óxido de zinc 1314-13-2	Selenastrum capricornutum 72-hour EC50: 0.14 mg/l	Oncorhynchus mykiss 96-hour LC50: 0.14 mg/l		Daphnia magna 48-hour EC50: 0.07 mg/l
Hidróxido de amonio 1336-21-6		LC50 96 h: = 8.2 mg/L (Pimephales promelas)		EC50 48 h: = 0.66 mg/L (water flea) EC50 48 h: = 0.66 mg/L (Daphnia pulex)

Persistencia y degradabilidad No hay información disponible.

Bioacumulación No hay información disponible.

Otros efectos nocivos
No hay información disponible

13. INFORMACIÓN RELATIVA A LA ELIMINACIÓN DE LOS PRODUCTOS

Métodos de eliminación de los desechos Este material, tal como se suministra, no es un residuo peligroso de acuerdo con las Regulaciones Federales (40 CFR 261). Este material puede convertirse en un residuo peligroso si se mezcla o entra en contacto con un residuo peligroso, si le fueran agregadas sustancias químicas, o si el material es procesado o alterado de alguna manera. Consúltese la regulación 40 CFR 261 para determinar si el material alterado obtenido es un residuo peligroso. Consúltense las regulaciones estatales, regionales o locales pertinentes para conocer requisitos adicionales

Envases contaminados No reutilice los recipientes vacíos.

14. INFORMACIÓN RELATIVA AL TRANSPORTE

DOT

No.UN	UN3082
Denominación adecuada de envío	Environmentally hazardous substance, liquid, n.o.s.
Clase de peligro	9
Grupo de embalaje	III
Descripción	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc Oxide), 9, III
Número de la Guía de Respuestas a Emergencias	171

IATA

No.UN	UN3082
Denominación adecuada de envío	Environmentally hazardous substance, liquid, n.o.s.
Clase de peligro	9
Grupo de embalaje	III
Código ERG	9L
Descripción	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide), 9, III

IMDG/IMO

No.UN	UN3082
Denominación adecuada de envío	Environmentally hazardous substance, liquid, n.o.s.
Clase de peligro	9
Grupo de embalaje	III
EmS	F-A, S-F
Descripción	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc oxide), 9, III

15. INFORMACIÓN REGLAMENTARIA

Inventarios Internacionales

TSCA Todos los componentes de este producto están listados o exentos en el Inventario TSCA.

Leyenda

TSCA - Ley de Control de Sustancias Tóxicas de Estados Unidos, Sección 8(b) Inventario

Reglamentaciones Federales

La Sección 313 del Título III de la Ley de Reautorización y Enmiendas de Superfund de 1986 (SARA). Este producto contiene una o varias sustancias químicas sujetas a los requisitos de reporte de la Ley y Título 40 del Código de Regulaciones Federales, Parte 372

Nombre químico	CAS No	% en peso	SARA 313 – Valores umbral %
Óxido de zinc	1314-13-2	19.9999	1.0
Hidróxido de amonio	1336-21-6	9.9999	1.0

Categorías de Riesgo SARA 311/312

Peligro Agudo para la Salud	Si
Peligro Crónico para la Salud	Si
Peligro de Incendio	No
Escape Brusco de Presión Peligrosa	No
Peligro de Reactivo	No

Ley del Agua Limpia

Este producto contiene las siguientes sustancias contaminantes reguladas conforme a lo dispuesto por la Ley de Agua Limpia (40 CFR 122.21 y 40 CFR 122.42)

Nombre químico	CWA - Cantidades Reportables	CWA - Contaminantes Tóxicos	CWA – Contaminantes de Prioridad	CWA - Sustancias Peligrosas
Óxido de zinc		X		
Hidróxido de amonio	1000 lb			X

CERCLA

Este material, tal como se suministra, contiene una o más sustancias reguladas como peligrosas según la Ley de Respuesta Ambiental Integral, Compensación y Responsabilidad Pública (CERCLA) (40 CFR 302)

Nombre químico	Cantidad de reporte para sustancias peligrosas	Cantidad de reporte para sustancias extremadamente peligrosas	Cantidad de reporte (RQ)
Hidróxido de amonio	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

Reglamentaciones de los Estados

Proposición 65 de California

Este producto no contiene ninguna sustancia química de la Proposición 65.

Regulaciones de EE.UU. sobre el derecho a saber

Nombre químico	Nueva Jersey	Massachussets	Pensilvania	Illinois	Rhode Island
Sal de amonio del ácido carbónico			X		
Óxido de zinc	X	X	X		
Hidróxido de amonio	X	X	X		

EPA EUA Información de la etiqueta

EPA Número del registro de pesticida No aplicable

16. OTRAS INFORMACIONES

NFPA	**Peligro para la salud** 2	**Inflamabilidad** 0	**Inestabilidad** 0	**Peligros físicos y químicos** -
HMIS	**Peligro para la salud** 2*	**Inflamabilidad** 0	**Peligro físico** 0	**Precauciones individuales** X

**Indica un riesgo crónico para la salud.*

Preparado Por
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Fecha de emisión 27-ene-2016
Fecha de revisión 27-ene-2016
Nota de revisión Primera edición.

Renuncia

La información proporcionada en esta Hoja de Datos de Seguridad es correcta según nuestro leal saber y entender, grado de información y opinión en la fecha de su publicación. La información brindada esta diseñada sólo como guía para la manipulación, uso, procesamiento, almacenamiento, transportación, disposición y distribución seguros del producto y no debe considerarse como garantía o especificación de calidad. Los datos se refieren solamente al material específico designado en ella y puede no ser válida para los materiales usados en combinación con cualquier otro material o proceso, a menos que sea especificado en el texto.

Fin de la HDS

SAFETY DATA SHEET

Issuing Date 15-May-2018 **Revision Date** 15-May-2018 **Revision Number** 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name **CIFS Brick Mortar**

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Dry Mix Mortar

Uses advised against No information available

Supplier's details

Supplier Address
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency telephone number

Emergency Telephone Number 800-535-5053 Infotrac

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1
Skin Sensitization	Category 1
Carcinogenicity	Category 1A
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3
Specific Target Organ Toxicity (Repeated Exposure)	Category 2

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word **Danger**

Hazard Statements
• Causes severe skin burns and eye damage
• May cause an allergic skin reaction
• May cause cancer
• May cause respiratory irritation
• May cause damage to organs through prolonged or repeated exposure

Appearance Gray. **Physical State** Solid (powder). **Odor** None.

Precautionary Statements

Prevention

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Do not breathe dust/fume/gas/mist/vapors/spray.
- Wash face, hands and any exposed skin thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.

General Advice

- Immediately call a POISON CENTER or doctor/physician.
- Specific treatment (see supplemental first aid instructions on this label)

Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTER or doctor/physician.

Skin

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- Wash contaminated clothing before reuse.
- If skin irritation or rash occurs: Get medical advice/attention.

Inhalation

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion

- IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Storage

- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.

Disposal

- Dispose of contents/container to an approved waste disposal plant.

Hazard Not Otherwise Classified (HNOC)

Not applicable.

Other information

Harmful to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret

Quartz	14808-60-7	55- 75	*
Portland cement	65997-15-1	20-30	*
Limestone	1317-65-3	5-15	*
Calcium sulfate	7778-18-9	1-5	*
Flue dust, zinc-refining	69012-63-1	1-5	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Do not rub affected area. Immediate medical attention is required.

Skin Contact Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. Immediate medical attention is required.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

Ingestion Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects Corrosive. Burning. Serious eye irritation or damage. Itching. Rashes. Hives. Coughing and/or wheezing.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician May cause sensitization of susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

Product is or contains a sensitizer. May cause sensitization by skin contact.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Evacuate personnel to safe areas.

Environmental Precautions

Environmental Precautions Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products Acids. Oxidizing agents. Metals. Metal salts.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Quartz 14808-60-7	TWA: 0.025 mg/m³ respirable particulate matter	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Portland cement 65997-15-1	TWA: 1 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction TWA: 50 mppcf <1% Crystalline silica	IDLH: 5000 mg/m³ TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Limestone 1317-65-3	-	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³	TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust
Calcium sulfate 7778-18-9	TWA: 10 mg/m³ inhalable particulate matter	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Flue dust, zinc-refining 69012-63-1	TWA: 0.05 mg/m³ Pb TWA: 0.01 mg/m³ Cd TWA: 0.002 mg/m³ Cd respirable particulate matter	TWA: 50 µg/m³ Pb Action Level: 30 µg/m³ Pb Poison;See 29 CFR 1910.1025 Action Level: 2.5 µg/m³ Cd	IDLH: 9 mg/m³ Cd dust and fume IDLH: 100 mg/m³ Pb TWA: 0.050 mg/m³ Pb

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles.
Skin and Body Protection Long sleeved clothing. Impervious gloves. Impervious clothing.
Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local

regulations

Hygiene Measures Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Solid (powder).	**Appearance**	Gray.
Odor	None.	**Odor Threshold**	No information available.

Property	Values	Remarks/ - Method
pH	10 - 13	None known
Melting Point/Range	Not determined	None known
Boiling Point/Boiling Range	> 100 °C / > 212 °F	None known
Flash Point	Not determined.	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	> 1	No units, but stated at a given temperature
Water Solubility	Miscible with water	None known
Solubility in other solvents	Not determined	None known
Partition coefficient: n-octanol/water	Not determined	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

Flammable Properties No data available.

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) No data available
VOC (g/l) < 50

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Acids. Oxidizing agents. Metals. Metal salts.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO_2).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation May cause irritation of respiratory tract. Inhaled corrosive substances can lead to a toxic edema of the lungs.

Eye Contact Causes serious eye damage. Corrosive to the eyes and may cause severe damage including blindness.

Skin Contact Corrosive. Causes severe skin burns. May cause allergic skin reaction.

Ingestion Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion of corrosive substances can cause burns of the upper digestive and respiratory tract.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Calcium sulfate	> 3000 mg/kg (Rat)	-	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Burning. Erythema (skin redness). Coughing and/ or wheezing. Allergic skin reactions or irritation.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization May cause sensitization by skin contact.

Mutagenic Effects Based on available data, the classification criteria are not met.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. Contains a known or suspected carcinogen. May cause cancer.

Chemical Name	ACGIH	IARC	NTP	OSHA
Quartz	A2	Group 1	Known	X
Flue dust, zinc-refining	A3 A2	Group 2A Group 1	Known Reasonably Anticipated	X

ACGIH: (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2A - Probably Carcinogenic to Humans

NTP: (National Toxicity Program)
Known - Known Carcinogen
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA: (Occupational Safety & Health Administration)
X - Present

Reproductive Toxicity Based on available data, the classification criteria are not met.

STOT - single exposure May cause respiratory irritation.
STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.
Aspiration Hazard None of the ingredients are known to be an aspiration hazard.

Numerical measures of toxicity - Product
The following values are calculated based on chapter 3.1 of the GHS document: Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity
Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Calcium sulfate 7778-18-9		LC50 96 h: = 2980 mg/L static (Lepomis macrochirus) LC50 96 h: > 1970 mg/L static (Pimephales promelas)		EC50 120 h: = 3200 mg/L (Nitscheria linearis)

Persistence and Degradability No information available

Bioaccumulation No information available

Other Adverse Effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories
TSCA Contact supplier for inventory compliance status
DSL/NDSL Contact supplier for inventory compliance status

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any

chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

Clean Water Act
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Flue dust, zinc-refining		X		

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Quartz	14808-60-7	Carcinogen

U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Quartz	X	X	X	-	X
Portland cement	X	X	X		X
Limestone	X	X	X		X
Calcium sulfate	X	X	X		

U.S. EPA Label Information
EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	**Health Hazard** 3	**Flammability** 0	**Instability** 0	**Physical and Chemical Hazards** -
HMIS	**Health Hazard** 3*	**Flammability** 0	**Physical Hazard** 0	**Personal Protection** X

**Indicates a chronic health hazard.*

Prepared By
Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date 15-May-2018
Revision Date 15-May-2018
Revision Note Initial Release.

General Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

FICHA DE DATOS DE SEGURIDAD

Fecha de emisión 21-jul-2015 **Fecha de revisión** 21-jul-2015 **Número de Revisión** 0

1. IDENTIFICACIÓN DE LA SUBSTANCIA/PREPARACIÓN Y DE LA SOCIEDAD/EMPRESA

Identificador de producto SGA

Nombre del producto **Roller-flex, Primecoat, Sanded Primecoat, Vintique, Clearshield, Elasto-flex, CIFS® Wood Grain Glaze and Sealer**

Otros medios de identificación

Sinónimos ninguno

Uso recomendado del producto químico y restricciones de uso

Uso recomendado Revestimiento acrílico a base de agua

Usos contraindicados No hay información disponible

Datos del proveedor

Dirección de proveedor
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Teléfono de emergencia

Teléfono de emergencia 1-800-535-5053

2. IDENTIFICACIÓN DE LOS PELIGROS

Clasificación

Esta sustancia no es considerada peligrosa de acuerdo con la norma de comunicación de peligros de OSHA 2012 (29 CFR 1910.1200).

No está clasificado

Elementos de la etiqueta SGA/GHS, incluyendo las declaraciones cautelares

Revisión de la Emergencia

Palabra de advertencia **ninguno**
Declaraciones sobre riesgos
• ninguno

El producto no contiene sustancias que se consideren peligrosas a la salud a las concentraciones previstas
Aspecto Blanco pálido **Estado físico** líquido. **Olor** ligero

Medidas de precaución

Prevención
• ninguno

Consejos generales
• Ninguno

Almacenamiento
• ninguno

Eliminación
• ninguno

Peligro no clasificado en otra parte (HNOC)

No aplicable

Otra información
Nocivo para los organismos acuáticos. Muy tóxico para los organismos acuáticos, con efectos nocivos duraderos.

80.77 % de la mezcla consiste en ingredientes de toxicidad desconocida

3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS INGREDIENTES

Nombre químico	CAS No	% en peso	Secreto Comercial
Dióxido de titanio	13463-67-7	5-10	*
Sílice cristalina, cuarzo	14808-60-7	0.1-1	*

**El porcentaje exacto (concentración) en la composición no se revela por ser un secreto comercial.*

4. PRIMEROS AUXILIOS

Descripción de las medidas necesarias en primeros auxilios

Contacto con los ojos Lávese a fondo con agua abundante durante 15 minutos por lo menos y consulte al médico.

Contacto con la piel Lave la piel con agua y jabón.

Inhalación Salga al aire libre.

Ingestión Lávese la boca con agua y después beba agua abundante

Síntomas/efectos más importante, agudos y retardados

Síntomas/efectos más importantes No hay información disponible.

Indicación de la atención médica inmediata y tratamiento especial necesario, si se necesita

Notas para el médico Trate sintomáticamente.

5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Medios de extinción adecuados
Use medidas de extinción que sean apropiadas a las circunstancias locales y de sus alrededores.

Medios no adecuados de extinción No hay información disponible.

Riesgos específicos debidos a la sustancia química
No hay información disponible.

Datos sobre Peligros de Explosión
Sensible a impactos mecánicos ninguno.
Sensible a descargas estáticas ninguno.

Equipo de protección y precauciones para bomberos
Como en cualquier incendio, llevar un aparato respiratorio autónomo con demanda de presión, MSHA/NIOSH (aprobado o equivalente) y una ropa de protección total.

6. MEDIDAS QUE DEBEN TOMARSE EN CASO DE VERTIDO ACCIDENTAL

Precauciones personales, equipo de protección y procedimientos de emergencia

Precauciones individuales Asegure una ventilación apropiada. Evitar el lijado o pulido de superficies que contengan capas secas de pintura.

Precauciones ambientales

Precauciones ambientales No dispersar en el medio ambiente. Eliminación de contenidos /contenedor a una planta de eliminación de residuos aprobada. Recoger los vertidos. Véase la Sección 12 para ver la Información Ecológica adicional.

Métodos y materiales de contención y limpieza

Métodos de contención Impidas nuevos escapes o derrames de forma segura.

Métodos de limpieza Recójalo y traspáselo a contenedores correctamente etiquetados.

7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones para un manejo seguro

Manipulación Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad. Evitar el lijado o pulido de superficies que contengan capas secas de pintura.

Condiciones de almacenamiento seguro, incluyendo cualquier incompatibilidad

Almacenamiento Cierre los recipientes herméticamente y manténgalos en lugar seco, fresco y bien ventilado.

Productos incompatibles No se conocen de acuerdo con la información suministrada.

8. CONTROLES DE EXPOSICION Y PROTECCION PERSONAL

Parámetros de control

Directrices de exposición

Nombre químico	Valor límite umbral (TLV), ACGIH	Límite permisible de exposición (PEL), OSHA	Peligro inmediato para la vida o la salud (IDLH), NIOSH
Carbonato de calcio 1317-65-3	-	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³	TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust
Dióxido de titanio 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³
Sílice cristalina, cuarzo 14808-60-7	TWA: 0.025 mg/m³ respirable fraction	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Destilados del petróleo, parafínicos pesados hidrotratados 64742-54-7	TWA: 5 mg/m³, as oil mist, mineral STEL: TWA: 10 mg/m³, as oil mist, mineral	TWA: 5 mg/m³, as oil mist, mineral	-
Silico amoria 7631-86-9	10 mg/m³	20 mppcf TWA; ((80)/(% SiO2) mg/m³)	IDLH: 3000 mg/m³ TWA: 6 mg/m³
Diuron 330-54-1	TWA: 10 mg/m³	(vacated) TWA: 10 mg/m³	TWA: 10 mg/m³

Caolín 1332-58-7	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Etanolamina 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m³ STEL: 6 ppm STEL: 15 mg/m³

Controles de ingeniería apropiados

Disposiciones de ingeniería Duchas
Estaciones lavaojos
Sistemas de ventilación

Medidas de protección individual, tales como equipo de protección personal (PPE)

Protección de los ojos / cara No se requiere equipo especial de protección.
Protección de la piel y del cuerpo No se requiere equipo especial de protección.
Protección respiratoria Si se exceden los límites de exposición o se presenta una irritación, se debe de usar la protección respiratoria aprobada por NIOSH/MSHA. Los respiradores de aire de presión positiva proporcionados pueden ser exigidos cuando existen altas concentraciones de contaminantes aerotransportados. La protección respiratoria se debe proporcionar de acuerdo con regulaciones locales actuales

Medidas de higiene Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad.

9. PROPIEDADES FÍSICAS Y QUÍMICAS

Información sobre las propiedades físicas y químicas básicas

Estado físico líquido. **Aspecto** Blanco pálido.
Olor ligero. **Límite de olor** No hay información disponible.

Propiedades	Valores	Observaciones/ - Método
pH	8 - 10	No conocidos
Punto de fusión/rango	sin datos disponibles	No conocidos
Punto / intervalo de ebullición	> 100 °C	No conocidos
Punto de inflamación	sin datos disponibles	No conocidos
Índice de evaporación	sin datos disponibles	No conocidos
Inflamabilidad (sólido, gas)	sin datos disponibles	No conocidos
Límites de Inflamabilidad en el Aire		
límite superior de inflamabilidad	sin datos disponibles	
límite inferior de inflamabilidad	sin datos disponibles	
Presión de vapor	sin datos disponibles	No conocidos
Densidad de vapor	sin datos disponibles	No conocidos
Gravedad Específicas	>1; Sin unidades, pero fijado a una temperatura dada	No conocidos
Hidrosolubilidad	Miscible con agua	No conocidos
Solubilidad en otros disolventes	sin datos disponibles	No conocidos
Coeficiente de partición: (n-octanol/agua)	sin datos disponibles	No conocidos
Temperatura de auto-inflamación	sin datos disponibles	No conocidos
Temperatura de descomposición	sin datos disponibles	No conocidos
Viscosidad	120-130 K.U.	No conocidos

Propiedades inflamables No inflamable

Propiedades explosivas sin datos disponibles
Propiedades comburentes sin datos disponibles

Otra información

Contenido (%) COV (compuestos orgánicos volátiles)	sin datos disponibles
COV (g/l)	5 g/l

10. ESTABILIDAD Y REACTIVIDAD

Reactividad

sin datos disponibles

Estabilidad química

Estable bajo las condiciones de almacenamiento recomendadas.

Posibilidad de reacciones peligrosas

Nada en condiciones normales de proceso.

Polimerización peligrosa

La polimerización peligrosa no ocurre.

Condiciones a evitar

No se conocen de acuerdo con la información suministrada.

Materiales incompatibles

No se conocen de acuerdo con la información suministrada.

Productos de descomposición peligrosos

No se conocen de acuerdo con la información suministrada.

11. INFORMACIÓN TOXICOLÓGICA

Información sobre las rutas probables de exposición

Información del Producto

Inhalación	No existe ningún dato disponible para ese producto.
Contacto con los ojos	No existe ningún dato disponible para ese producto.
Contacto con la piel	No existe ningún dato disponible para ese producto.
Ingestión	No existe ningún dato disponible para ese producto.

Síntomas relacionados a las características físicas, químicas y toxicológicas

Síntomas	No hay información disponible

Efectos inmediatos y tardíos y también efectos crónicos de exposición a corto y largo plazo

Sensibilización	No hay información disponible.
efectos mutágenos	No hay información disponible.
Carcinogenicidad	La tabla más abajo indica los ingredientes listados por cada agencia como carcinógenos. Este producto contiene dióxido de titanio en forma no respirable. Es poco probable que ocurra inhalación de dióxido de titanio debido a la exposición a este producto. Este producto contiene sílice cristalina (cuarzo) en forma no respirable. La inhalación de sílice cristalina es poco probable que ocurra si hay exposición a este producto.

Nombre químico	ACGIH	IARC (Agencia Internacional para la Investigación sobre el Cáncer)	NTP	OSHA
Dióxido de titanio		Group 2B		X
Sílice cristalina, cuarzo	A2	Group 1	Known	X

ACGIH: (Conferencia Americana de Higienistas Industriales Gubernamentales)
A2 - Carcinógeno humano sospechoso

IARC (Agencia Internacional para la Investigación sobre el Cáncer)
Grupo 1 - Carcinógeno para los humanos
Grupo 2B - Posiblemente carcinógeno para los humanos

NTP: (Programa Nacional de Toxicología)
Conocido – Carcinógeno conocido

OSHA: (Administración de Seguridad y Salud Ocupacional)
X – Presente

Toxicidad a la reproducción No hay información disponible.
Toxicidad sistémica a un órgano específico objetivo (exposición única) No hay información disponible.
Toxicidad sistémica a un órgano específico objetivo (exposición repetida) No hay información disponible.
Peligro de aspiración No hay información disponible.

Medidas numéricas de toxicidad - Producto
Toxicidad aguda 80.77 % de la mezcla consiste en ingredientes de toxicidad desconocida
DL50 Oral > 5000 mg/kg; (ATE)

12. INFORMACIONES ECOLÓGICAS

Ecotoxicidad
El impacto ambiental de este producto no se ha investigado completamente.

Nombre químico	Toxicidad para las algas	Toxicidad para peces	Toxicidad hacia los microorganismos	Daphnia magna (Pulga de mar grande)
Propilenglicol 57-55-6	EC50 96 h: = 19000 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 51600 mg/L static (Oncorhynchus mykiss) LC50 96 h: 41 - 47 mL/L static (Oncorhynchus mykiss) LC50 96 h: = 51400 mg/L static (Pimephales promelas) LC50 96 h: = 710 mg/L (Pimephales promelas)	EC50 = 710 mg/L 30 min	EC50 24 h: > 10000 mg/L (Daphnia magna) EC50 48 h: > 1000 mg/L Static (Daphnia magna)
2,2,4-Trimetilpentano-1,3-diol monoisobutirato 25265-77-4	EC50: 18.4 mg/L Pseudokirchneriella subcapitata 72 h	LC50 96 h: = 30 mg/L (Pimephales promelas)		LC50 96 h: > 95 mg/L (Daphnia magna)
Destilados del petróleo, parafínicos pesados hidrotratados 64742-54-7		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Silico amoria 7631-86-9	EC50 72 h: = 440 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 5000 mg/L static (Brachydanio rerio)		EC50 48 h: = 7600 mg/L (Ceriodaphnia dubia)
2-Amino-2-metil-1-propanol 124-68-5	EC50 72 h: = 520 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 190 mg/L static (Lepomis macrochirus)		EC50 48 h: = 193 mg/L (Daphnia magna)
Hidróxido de amonio 1336-21-6		LC50 96 h: = 8.2 mg/L (Pimephales promelas)		EC50 48 h: = 0.66 mg/L (water flea) EC50 48 h: = 0.66 mg/L (Daphnia pulex)

2,2',2"-(hexahidro-1,3,5-triazina-1,3,5-triil) trietanol 4719-04-4	-	-	EC50 = 28.9 mg/L 15 min	-
Nitrito de sodio 7632-00-0		LC50 96 h: = 0.19 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.092 - 0.13 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.4 - 0.6 mg/L semi-static (Oncorhynchus mykiss) LC50 96 h: 0.65 - 1 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 2.3 mg/L flow-through (Pimephales promelas) LC50 96 h: = 20 mg/L static (Pimephales promelas)		
Diuron 330-54-1	EC50 72 h: < 0.1 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: = 0.0007 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: = 0.022 mg/L (Desmodesmus subspicatus) EC50 72 h: = 0.036 mg/L static (Desmodesmus subspicatus)	LC50 96 h: 1.5-2.54 mg/L static (Oncorhynchus mykiss) LC50 96 h: 13.4-15 mg/L flow-through (Pimephales promelas) LC50 96 h: 13.4-15 mg/L static (Pimephales promelas) LC50 96 h: 2.3-3.3 mg/L static (Lepomis macrochirus) LC50 96 h: = 14.7 mg/L (Oncorhynchus mykiss) LC50 96 h: = 2.9 mg/L (Cyprinus carpio) LC50 96 h: = 4 mg/L (Lepomis macrochirus)	EC50 = 16.38 mg/L 5 min	EC50 48 h: 6.3 - 13 mg/L Static (Daphnia magna) EC50 48 h: = 1.4 mg/L (Daphnia magna)
3-Iodo-2-propinil butilcarbamato 55406-53-6		LC50 96 h: 0.049-0.079 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.05-0.089 mg/L (Oncorhynchus mykiss) LC50 96 h: 0.14-0.32 mg/L flow-through (Lepomis macrochirus) LC50 96 h: 0.18-0.23 mg/L flow-through (Pimephales promelas)		
Polietilenglicol 25322-68-3		LC50 24 h: > 5000 mg/L (Carassius auratus)	EC50 = 100000 mg/L 15 min	
Etanolamina 141-43-5	EC50 72 h: = 15 mg/L (Desmodesmus subspicatus)	LC50: 227 mg/L Pimephales promelas 96 h flow-through LC50: 3684 mg/L Brachydanio rerio 96 h static LC50: 300-1000 mg/L Lepomis macrochirus 96 h static LC50: 114-196 mg/L Oncorhynchus mykiss 96 h static LC50: >200 mg/L Oncorhynchus mykiss 96 h flow-through	EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h EC50 = 13.7 mg/L 30 min	EC50 48 h: = 65 mg/L (Daphnia magna)

Persistencia y degradabilidad No hay información disponible.

Bioacumulación No hay información disponible.

Otros efectos nocivos
No hay información disponible

13. INFORMACIÓN RELATIVA A LA ELIMINACIÓN DE LOS PRODUCTOS

Métodos de eliminación de los desechos Este material, tal como se suministra, no es un residuo peligroso de acuerdo con las Regulaciones Federales (40 CFR 261). Este material puede convertirse en un residuo peligroso si se mezcla o entra en contacto con un residuo peligroso, si le fueran agregadas sustancias químicas, o si el material es procesado o alterado de alguna manera. Consúltese la regulación 40 CFR 261 para determinar si el material alterado obtenido es un residuo peligroso. Consúltense las regulaciones estatales, regionales o locales pertinentes para conocer requisitos adicionales

Envases contaminados No reutilice los recipientes vacíos.

Nombre químico	RCRA	RCRA - Base para Listado	RCRA – Residuos de clase D	RCRA - Residuos de clase U
Metil-2-bencimidazol carbamato - 10605-21-7	U372	Included in waste streams: K156, K158		U372
3-Iodo-2-propinil butilcarbamato - 55406-53-6	(hazardous constituent - no waste number)			

14. INFORMACIÓN RELATIVA AL TRANSPORTE

DOT no regulado

15. INFORMACIÓN REGLAMENTARIA

Inventarios Internacionales

TSCA Todos los componentes de este producto están listados o exentos en el Inventario TSCA.

Leyenda

TSCA - Ley de Control de Sustancias Tóxicas de Estados Unidos, Sección 8(b) Inventario

Reglamentaciones Federales

Sección 313 de Título III de la Ley de Reautorización y Enmiendas de Superfund de 1986 (SARA). Este producto no contiene ninguna sustancia química sujeta a los requisitos de declaración de la Ley y Título 40 del Código de Regulaciones Federales, Parte 372.

Categorías de Riesgo SARA 311/312

Peligro Agudo para la Salud	no
Peligro Crónico para la Salud	no
Peligro de Incendio	No
Escape Brusco de Presión Peligrosa	No
Peligro de Reactivo	No

Ley del Agua Limpia

Este producto no contiene ninguna sustancia regulada como agente contaminante conforme a la Acta de agua limpia (40 CFR 122.421 y 40 CFR 122.42).

CERCLA

CERCLA Este material, tal como se suministra, no contiene sustancias reguladas como material peligroso según la Ley Integral de Respuesta, Compensación y Responsabilidad Ambiental (CERCLA) (40 CFR 302) o las Enmiendas al Superfondo y Ley de Reautorización (SARA) (40 CFR 355). Pueden existir requisitos específicos a reportar a nivel local, regional o estatal vinculados a la liberación de este material

Reglamentaciones de los Estados

Proposición 65 de California

Este producto contiene las siguientes sustancias químicas de la Proposición 65:

Nombre químico	CAS No	Proposición 65 de California
Dióxido de titanio	13463-67-7	Carcinogen
Sílice cristalina, cuarzo	14808-60-7	Carcinogen
Diuron	330-54-1	Carcinogen

Regulaciones de EE.UU. sobre el derecho a saber

Nombre químico	Nueva Jersey	Massachussets	Pensilvania	Illinois	Rhode Island
Carbonato de calcio	X	X	X		X
Dióxido de titanio	X	X	X	-	X
Propilenglicol	X	-	X	-	X
Sílice cristalina, cuarzo	X	X	X	-	X
Destilados del petróleo, parafínicos pesados hidrotratados				X	

EPA EUA Información de la etiqueta

EPA Número del registro de pesticida No aplicable

16. OTRAS INFORMACIONES

NFPA **Peligro para la salud** 1 **Inflamabilidad** 0 **Inestabilidad** 0 **Peligros físicos y químicos** -

HMIS **Peligro para la salud** 1 **Inflamabilidad** 0 **Peligro físico** 0 **Precauciones individuales** X

Preparado Por

Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Fecha de emisión 21-jul-2015
Fecha de revisión 21-jul-2015
Nota de revisión Primera edición.

Renuncia

La información proporcionada en esta Hoja de Datos de Seguridad es correcta según nuestro leal saber y entender, grado de información y opinión en la fecha de su publicación. La información brindada esta diseñada sólo como guía para la manipulación, uso, procesamiento, almacenamiento, transportación, disposición y distribución seguros del producto y no debe considerarse como garantía o especificación de calidad. Los datos se refieren solamente al material específico designado en ella y puede no ser válida para los materiales usados en combinación con cualquier otro material o proceso, a menos que sea especificado en el texto.

Fin de la HDS

SAFETY DATA SHEET

Issuing Date 21-Feb-2018 **Revision Date** 1-Mar-2023 **Revision Number** 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name **SuperiorCote™ Exterior Latex Satin White Base**

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Water based acrylic coating

Uses advised against No information available

Supplier's details

Supplier Address
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency telephone number

Emergency Telephone Number 1-800-755-0825

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Not classified

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word **None**

The product contains no substances which at their given concentration are considered to be hazardous to health

Appearance White. **Physical State** Liquid. **Odor** Slight.

Precautionary Statements

Prevention
• None

General Advice
• None

Storage

• None

Disposal
• None

Hazard Not Otherwise Classified (HNOC)

Not applicable.

Other information
No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Titanium dioxide	13463-67-7	10-20	*
Kaolin	1332-58-7	1-5	*
Diethylene glycol monobutyl ether	112-34-5	0.5-1.5	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.

Skin Contact Wash off with water. Get medical attention if symptoms occur.

Inhalation Move to fresh air. Get medical attention if symptoms occur.

Ingestion Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available

Specific Hazards Arising from the Chemical
No information available.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Avoid sanding and grinding surfaces containing dried paint film. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid sanding and grinding surfaces containing dried paint film. Wash thoroughly after handling. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium dioxide 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³
Kaolin 1332-58-7	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm inhalable fraction and vapor	-	-

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection If splashes are likely to occur, wear: Safety glasses with side shields or safety goggles.
Skin and Body Protection Wear protective gloves/clothing.
Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid.	**Appearance**	White.
Odor	Slight.	**Odor Threshold**	No information available.

Property	Values	Remarks/ - Method
pH	8 - 10	None known
Melting Point/Range	Not determined	None known
Boiling Point/Boiling Range	> 100 °C	None known
Flash Point	Not determined.	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	> 1 No units, but stated at a given temperature	None known
Water Solubility	Miscible with water	None known
Solubility in other solvents	Not determined	None known
Partition coefficient: n-octanol/water	Not determined	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	100-110 K.U.	None known

Flammable Properties Not flammable

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) No data available
VOC (g/l) < 100

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation No known effect based on information supplied.
Eye Contact Contact with eyes may cause irritation.
Skin Contact No known effect based on information available.
Ingestion No known effect based on information supplied

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Titanium dioxide	> 10000 mg/kg (Rat)	-	> 6820 mg/m³
Kaolin	> 5 g/kg (Rat)	> 5000 mg/kg (Rat)	-
Diethylene glycol monobutyl ether	= 5660 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Allergic skin reactions or irritation. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization Not expected to be a sensitizer. Repeated or prolonged contact may cause allergic reactions in very susceptible persons
Mutagenic Effects Based on available data, the classification criteria are not met.
Carcinogenicity This product contains titanium dioxide which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is a liquid. However, this product may become a dust nuisance when removed by abrasive blasting, sanding, or grinding.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide		Group 2B		X

IARC: (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans

OSHA: (Occupational Safety & Health Administration)
X - Present

Reproductive Toxicity Based on available data, the classification criteria are not met.
STOT - single exposure Based on available data, the classification criteria are not met
STOT - repeated exposure Based on available data, the classification criteria are not met
Aspiration Hazard Based on available data, the classification criteria are not met.

Numerical measures of toxicity - Product
The following values are calculated based on chapter 3.1 of the GHS document:
LD50 Oral 69926 mg/kg; Acute toxicity estimate
LD50 Dermal 111606 mg/kg; Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Diethylene glycol monobutyl ether 112-34-5	EC50 96 h: > 100 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 1300 mg/L static (Lepomis macrochirus)		EC50 24 h: = 2850 mg/L (Daphnia magna) EC50 48 h: > 100 mg/L (Daphnia magna)

Persistence and Degradability No information available

Bioaccumulation No information available

Other Adverse Effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Titanium dioxide	13463-67-7	Carcinogen
Diuron	330-54-1	Carcinogen

U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Titanium dioxide	X	X	X	-	X
Propylene glycol	X	-	X	-	X
Kaolin	X	X	X		X
Diethylene glycol monobutyl ether	X		X	X	

U.S. EPA Label Information
EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	**Health Hazard** 1	**Flammability** 0	**Instability** 0	**Physical and Chemical Hazards** -
HMIS	**Health Hazard** 1	**Flammability** 0	**Physical Hazard** 0	**Personal Protection** X

Prepared By Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092
Issuing Date 21-Feb-2018
Revision Date 21-Feb-2018
Revision Note Initial Release.

General Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

HOJA DE DATOS DE SEGURIDAD

Fecha de emisión 21-feb-2018 **Fecha de revisión** 1-Mar-2023 **Número de Revisión** 2

1. IDENTIFICACIÓN DE LA SUSTANCIA QUÍMICA PELIGROSA O MEZCLA Y DEL PROVEEDOR O FABRICANTE

Identificador de producto SGA (GHS)

Nombre del producto **SuperiorCote™ Exterior Latex Satin White Base**

Otros medios de identificación

Sinónimos ninguno

Uso recomendado del producto químico y restricciones de uso

Uso recomendado Revestimiento acrílico a base de agua

Usos contraindicados No hay información disponible

Datos del proveedor

Dirección de proveedor
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Teléfono de emergencia

Teléfono de emergencia 1-800-755-0825

2. IDENTIFICACIÓN DE LOS PELIGROS

Clasificación

Esta sustancia no es considerada peligrosa de acuerdo con la norma de comunicación de peligros de OSHA 2012 (29 CFR 1910.1200).

No está clasificado

Elementos de la etiqueta SGA/GHS, incluyendo las declaraciones cautelares

Revisión de la Emergencia

Palabra de advertencia **ninguno**

El producto no contiene sustancias que se consideren peligrosas a la salud a las concentraciones previstas

Aspecto blanco. **Estado físico** líquido. **Olor** ligero.

Medidas de precaución

Prevención
• ninguno

Consejos generales
• Ninguno

Almacenamiento
• ninguno

Eliminación
• ninguno

Peligro no clasificado en otra parte (HNOC)

No aplicable.

Otra información
No hay información disponible.

3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS INGREDIENTES

Nombre químico	CAS No	% en peso	Secreto Comercial
Dióxido de titanio	13463-67-7	10-20	*
Caolín	1332-58-7	1-5	*
Dietilenglicol monobutil éter	112-34-5	0.5-1.5	*

**El porcentaje exacto (concentración) en la composición no se revela por ser un secreto comercial.*

4. PRIMEROS AUXILIOS

Descripción de las medidas necesarias en primeros auxilios

Contacto con los ojos Enjuague a fondo con abundante agua, también debajo de los párpados. Consultar un médico si los síntomas aparecen.

Contacto con la piel Eliminar mediante lavado con agua. Consultar un médico si los síntomas aparecen.

Inhalación Salga al aire libre. Consultar un médico si los síntomas aparecen.

Ingestión Lávese la boca con agua y después beba agua abundante. No provoque vómitos. Nunca debe administrarse nada por la boca a una persona inconsciente. Consulte a un médico.

Síntomas/efectos más importante, agudos y retardados

Síntomas/efectos más importantes No hay información disponible

Indicación de la necesidad de recibir atención médica inmediata y, en su caso, detratamiento especial

Notas para el médico Trate sintomáticamente.

5. MEDIDAS CONTRA INCENDIOS

Medios de extinción adecuados
Use medidas de extinción que sean apropiadas a las circunstancias locales y de sus alrededores.

Medios no adecuados de extinción No hay información disponible

Peligros específicos de la sustancia química peligrosa o mezcla
No hay información disponible.

Datos sobre Peligros de Explosión
Sensible a impactos mecánicos Ninguno.
Sensible a descargas estáticas Ninguno.

Equipo de protección y precauciones para bomberos
Como en cualquier incendio, llevar un aparato respiratorio autónomo con demanda de presión, MSHA/NIOSH (aprobado o

equivalente) y una ropa de protección total.

6. MEDIDAS QUE DEBEN TOMARSE EN CASO DE DERRAME O FUGA ACCIDENTAL

Precauciones personales, equipo de protección y procedimientos de emergencia

Precauciones personales Asegure una ventilación apropiada. Evitar el lijado o pulido de superficies que contengan capas secas de pintura. Utilice equipo de protección personal. Evite el contacto con la piel, ojos y ropa.

Precauciones ambientales

Precauciones ambientales Prevenga nuevos escapes o derrames de forma segura. Evite que el producto vaya al alcantarillado. Véase la Sección 12 para ver la Información Ecológica adicional.

Métodos y materiales de contención y limpieza

Métodos de contención Prevenga nuevos escapes o derrames de forma segura.

Métodos de limpieza Empape con material absorbente inerte. Recójalo y traspáselo a envases correctamente etiquetados.

7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones para un manejo seguro

Manipulación Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad. Evitar el lijado o pulido de superficies que contengan capas secas de pintura. Lavarse cuidadosamente después de la exposición. Evite el contacto con la piel, ojos y ropa. Use equipo de protección personal.

Condiciones de almacenamiento seguro, incluyendo cualquier incompatibilidad

Almacenamiento Cierre los recipientes herméticamente y manténgalos en lugar seco, fresco y bien ventilado.

Productos incompatibles No se conocen de acuerdo con la información suministrada.

8. CONTROLES DE EXPOSICION Y PROTECCION PERSONAL

Parámetros de control

Directrices de exposición

Nombre químico	Valor límite umbral (TLV), ACGIH	Límite permisible de exposición (PEL), OSHA	Peligro inmediato para la vida o la salud (IDLH), NIOSH
Dióxido de titanio 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³
Caolín 1332-58-7	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Dietilenglicol monobutil éter 112-34-5	TWA: 10 ppm inhalable fraction and vapor	-	-

Controles de ingeniería apropiados

Disposiciones de ingeniería Duchas
Estaciones lavaojos
Sistemas de ventilación

Medidas de protección individual, tales como equipo de protección personal (PPE)

Protección de los ojos / cara	En caso de probables salpicaduras, use: Gafas de seguridad con protección lateral o goggles de seguridad.
Protección de la piel y del cuerpo	Usar guantes /indumentaria protectora
Protección respiratoria	No necesario usar equipo protector en las condiciones normales de su uso Si se exceden los límites de exposición o se presenta irritación, se deberán usar equipos de protección respiratoria aprobados por NIOSH/MSHA.
Medidas de higiene	Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad.

9. PROPIEDADES FÍSICAS Y QUÍMICAS

Información sobre las propiedades físicas y químicas básicas

Estado físico	líquido.	**Aspecto**	blanco.
Olor	ligero.	**Límite de olor**	No hay información disponible.

Propiedades	**Valores**	**Observaciones/ - Método**
pH	8 - 10	No conocidos
Punto de fusión/rango	indeterminado	No conocidos
Punto / intervalo de ebullición	> 100 °C	No conocidos
Punto de inflamación	indeterminado.	No conocidos
Índice de evaporación	sin datos disponibles	No conocidos
Inflamabilidad (sólido, gas)	sin datos disponibles	No conocidos
Límites de Inflamabilidad en el Aire		
límite superior de inflamabilidad	sin datos disponibles	
límite inferior de inflamabilidad	sin datos disponibles	
Presión de vapor	sin datos disponibles	No conocidos
Densidad de vapor	sin datos disponibles	No conocidos
Gravedad Específicas	> 1 Sin unidades, pero fijado a una temperatura dada	No conocidos
Hidrosolubilidad	Miscible con agua	No conocidos
Solubilidad en otros disolventes	No determinado	No conocidos
Coeficiente de partición: (n-octanol/agua)	No determinado	No conocidos
Temperatura de auto-inflamación	sin datos disponibles	No conocidos
Temperatura de descomposición	sin datos disponibles	No conocidos
Viscosidad	100-110 K.U.	No conocidos

Propiedades inflamables	No inflamable
Propiedades explosivas	sin datos disponibles
Propiedades comburentes	sin datos disponibles

Otra información

Contenido (%) COV (compuestos orgánicos volátiles)	sin datos disponibles
COV (g/l)	< 100

10. ESTABILIDAD Y REACTIVIDAD

Reactividad

sin datos disponibles

Estabilidad química

Estable bajo las condiciones de almacenamiento recomendadas.

Posibilidad de reacciones peligrosas

Ninguna en condiciones normales de proceso.

Polimerización peligrosa

La polimerización peligrosa no ocurre.

Condiciones a evitar

No se conocen de acuerdo con la información suministrada.

Materiales incompatibles

No se conocen de acuerdo con la información suministrada.

Productos de descomposición peligrosos

No se conocen de acuerdo con la información suministrada.

11. INFORMACIÓN TOXICOLÓGICA

Información sobre las rutas probables de exposición

Información del Producto

Inhalación	No se conocen efectos según la información suministrada.
Contacto con los ojos	El contacto con los ojos puede provocar irritación.
Contacto con la piel	No se conocen efectos de acuerdo con la información disponible.
Ingestión	No se conocen efectos según la información suministrada

Información del Componente

Nombre químico	DL50 Oral	LD50 Cutáneo	LC50 Inhalación
Dióxido de titanio	> 10000 mg/kg (Rat)	-	> 6820 mg/m^3
Caolín	> 5 g/kg (Rat)	> 5000 mg/kg (Rat)	-
Dietilenglicol monobutil éter	= 5660 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-

Síntomas relacionados a las características físicas, químicas y toxicológicas

Síntomas Reacciones cutáneas alérgicas o irritación. Los síntomas de una reacción alérgica pueden incluir sarpullido, picazón, hinchazón, dificultades para respirar, hormigueo en las manos y los pies, mareos, vértigo, dolor torácico, dolor muscular o sofocos

Efectos inmediatos y tardíos y también efectos crónicos de exposición a corto y largo plazo

Sensibilización No se espera que sea un sensibilizante. El contacto repetido o prolongado puede provocar reacciones alérgicas en personas muy sensibles

efectos mutágenos Basado en los datos disponibles, no se cumplen los criterios de clasificación.

Carcinogenicidad Este producto contiene dióxido de titanio, que está clasificado como posible carcinógeno cuando se encuentra presente como polvo respirable. Esto no tiene relevancia para este producto, ya que es un líquido. Sin embargo, este producto puede convertirse en una molestia debido al polvo cuando se elimina mediante chorreado abrasivo, lijado o rectificado.

Nombre químico	ACGIH	IARC (Agencia Internacional para la Investigación sobre el Cáncer)	NTP	OSHA
Dióxido de titanio		Group 2B		X

IARC (Agencia Internacional para la Investigación sobre el Cáncer)
Grupo 2B - Posiblemente carcinógeno para los humanos

OSHA: (Administración de Seguridad y Salud Ocupacional)
X – Presente

Toxicidad a la reproducción Basado en los datos disponibles, no se cumplen los criterios de clasificación.
Toxicidad sistémica específica del órgano blanco (exposición única) Con base a los datos disponibles, los criterios de clasificación no se cumplen
Toxicidad sistémica específica del órgano blanco (exposición repetida) Con base a los datos disponibles, los criterios de clasificación no se cumplen
Peligro de aspiración Con base a los datos disponibles, los criterios de clasificación no se cumplen.

Medidas numéricas de toxicidad - Producto
Los siguientes valores se han calculado sobre la base del capítulo 3.1 del documento SGA:
DL50 Oral 69926 mg/kg; Estimación de la toxicidad aguda
DL50 Cutáneo 111606 mg/kg; Estimación de la toxicidad aguda

12. INFORMACIÓN ECOTOXICOLÓGICA

Ecotoxicidad
El impacto ambiental de este producto no se ha investigado completamente.

Nombre químico	Toxicidad para las algas	Toxicidad para peces	Toxicidad hacia los microorganismos	Daphnia magna (Pulga de mar grande)
Dietilenglicol monobutil éter 112-34-5	EC50 96 h: > 100 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 1300 mg/L static (Lepomis macrochirus)		EC50 24 h: = 2850 mg/L (Daphnia magna) EC50 48 h: > 100 mg/L (Daphnia magna)

Persistencia y degradabilidad No hay información disponible

Bioacumulación No hay información disponible

Otros efectos nocivos
No hay información disponible

13. INFORMACIÓN RELATIVA A LA ELIMINACIÓN DE LOS PRODUCTOS

Métodos de eliminación de los desechos Este material, tal como se suministra, no es un residuo peligroso de acuerdo con las Regulaciones Federales (40 CFR 261). Este material puede convertirse en un residuo peligroso si se mezcla o entra en contacto con un residuo peligroso, si le fueran agregadas sustancias químicas, o si el material es procesado o alterado de alguna manera. Consúltese la regulación 40 CFR 261 para determinar si el material alterado obtenido es un residuo peligroso. Consúltense las regulaciones estatales, regionales o locales pertinentes para conocer requisitos adicionales

Envases contaminados No reutilice los recipientes vacíos.

14. INFORMACIÓN RELATIVA AL TRANSPORTE

DOT no regulado

15. INFORMACIÓN REGLAMENTARIA

Inventarios Internacionales
TSCA Contactar al proveedor respecto a la situación de cumplimiento del inventario
DSL/NDSL Contactar al proveedor respecto a la situación de cumplimiento del inventario

Leyenda

TSCA - Ley de Control de Sustancias Tóxicas de Estados Unidos, Sección 8(b) Inventario
DSL/NDSL - Lista de Sustancias Nacionales/Lista de Sustancias No Nacionales, Canadá

Reglamentaciones Federales

Sección 313 de Título III de la Ley de Reautorización y Enmiendas de Superfund de 1986 (SARA). Este producto no contiene ninguna sustancia química sujeta a los requisitos de declaración de la Ley y Título 40 del Código de Regulaciones Federales, Parte 372.

Categorías de Riesgo SARA 311/312

Peligro Agudo para la Salud	no
Peligro Crónico para la Salud	no
Peligro de Incendio	No
Escape Brusco de Presión Peligrosa	No
Peligro de Reactivo	No

Ley del Agua Limpia
Este producto no contiene ninguna sustancia regulada como agente contaminante conforme a la Acta de agua limpia (40 CFR 122.421 y 40 CFR 122.42).

CERCLA
CERCLA Este material, tal como se suministra, no contiene sustancias reguladas como material peligroso según la Ley Integral de Respuesta, Compensación y Responsabilidad Ambiental (CERCLA) (40 CFR 302) o las Enmiendas al Superfondo y Ley de Reautorización (SARA) (40 CFR 355). Pueden existir requisitos específicos a reportar a nivel local, regional o estatal vinculados a la liberación de este material

Reglamentaciones de los Estados

Proposición 65 de California
Este producto contiene las siguientes sustancias químicas de la Proposición 65:

Nombre químico	CAS No	Proposición 65 de California
Dióxido de titanio	13463-67-7	Carcinogen
Diuron	330-54-1	Carcinogen

Regulaciones de EE.UU. sobre el derecho a saber

"X" significa que los componentes están listados en la Lista del Derecho a la Información del Estado.

Nombre químico	Nueva Jersey	Massachussets	Pensilvania	Illinois	Rhode Island
Dióxido de titanio	X	X	X	-	X
Propilenglicol	X	-	X	-	X
Caolín	X	X	X		X
Dietilenglicol monobutil éter	X		X	X	

EPA EUA Información de la etiqueta
EPA Número del registro de pesticida No aplicable

16. OTRAS INFORMACIONES

NFPA	**Peligro para la salud**	1	**Inflamabilidad**	0	**Inestabilidad**	0	**Peligros físicos y químicos** -
HMIS	**Peligro para la salud**	1	**Inflamabilidad**	0	**Peligro físico**	0	**Precauciones individuales** X

Preparado Por Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092
Fecha de emisión 21-feb-2018
Fecha de revisión 21-feb-2018

Nota de revisión Primera edición.

Renuncia

La información proporcionada en esta Hoja de Datos de Seguridad es correcta según nuestro leal saber y entender, grado de información y opinión en la fecha de su publicación. La información brindada esta diseñada sólo como guía para la manipulación, uso, procesamiento, almacenamiento, transportación, disposición y distribución seguros del producto y no debe considerarse como garantía o especificación de calidad. Los datos se refieren solamente al material específico designado en ella y puede no ser válida para los materiales usados en combinación con cualquier otro material o proceso, a menos que sea especificado en el texto.

Fin de la HDS

Safety Data Sheets (SDS)

Base Coat & Adhesives

Master Wall Inc.®
Building a Culture of Excellence
masterwall.com
PO Box 397 • Fortson • GA • 31808 • 800-755-0825 • Tech: 800-760-2861

SAFETY DATA SHEET

Issuing Date 21-Jul-2015 **Revision Date** 21-Jul-2015 **Revision Number** 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Names: **Foam & Mesh Adhesive (F& M), F&M Plus, Guardian, WeatherStop, Vise**

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Water based acrylic adhesive and base coat

Uses advised against No information available

Supplier's details

Supplier Address
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency telephone number

Emergency Telephone Number 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Not classified

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word **None**

Hazard Statements
• None

The product contains no substances which at their given concentration are considered to be hazardous to health

Appearance Tan **Physical State** Liquid. **Odor** Slight

Precautionary Statements

Prevention
• None

General Advice
• None

Storage
• None

Disposal
• None

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information
79.8573% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Quartz	14808-60-7	40-70	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash skin with soap and water.

Inhalation Move to fresh air.

Ingestion Clean mouth with water and afterwards drink plenty of water.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical
No information available.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Avoid sanding and grinding surfaces containing dried paint film.

Environmental Precautions

Environmental Precautions Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. Collect spillage. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid sanding and grinding surfaces containing dried paint film.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Quartz 14808-60-7	TWA: 0.025 mg/m³ respirable fraction	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Ethylene glycol 107-21-1	Ceiling: 100 mg/m³ aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m³	-

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection No special protective equipment required.
Skin and Body Protection No special protective equipment required.
Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid.	**Appearance**	Tan.
Odor	Slight.	**Odor Threshold**	No information available.

Property	Values	Remarks/ - Method
pH	8 - 10	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	> 100 °C	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	>1	None known
Water Solubility	Miscible with water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	90-100 K.U.	None known

Flammable Properties Not flammable

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) No data available
VOC (g/l) 1 g/l

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	There is no data available for this product.
Eye Contact	There is no data available for this product.
Skin Contact	There is no data available for this product.
Ingestion	There is no data available for this product.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization	No information available.
Mutagenic Effects	No information available.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

Chemical Name	ACGIH	IARC	NTP	OSHA
Quartz	A2	Group 1	Known	X

ACGIH: (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans

NTP: (National Toxicity Program)
Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)
X - Present

Reproductive Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration Hazard	No information available.

Numerical measures of toxicity - Product

Acute Toxicity	79.8573% of the mixture consists of ingredient(s) of unknown toxicity.
LD50 Oral	> 5000 mg/kg; (ATE)

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)

Ethylene glycol 107-21-1	EC50 96 h: 6500 - 13000 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: 14 - 18 mL/L static (Oncorhynchus mykiss) LC50 96 h: 40000 - 60000 mg/L static (Pimephales promelas) LC50 96 h: = 16000 mg/L static (Poecilia reticulata) LC50 96 h: = 27540 mg/L static (Lepomis macrochirus) LC50 96 h: = 40761 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 41000 mg/L (Oncorhynchus mykiss)	EC50 = 10000 mg/L 16 h EC50 = 620 mg/L 30 min EC50 = 620.0 mg/L 30 min	EC50 48 h: = 46300 mg/L (Daphnia magna)

Persistence and Degradability No information available.

Bioaccumulation

Other Adverse Effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories
TSCA All components of this product are either listed or are exempt on the TSCA inventory.

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No

Reactive Hazard No

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

U.S. State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Quartz	14808-60-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Quartz	X	X	X	-	X

U.S. EPA Label Information
EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	**Health Hazard** 1	**Flammability** 0	**Instability** 0	**Physical and Chemical Hazards** -
HMIS	**Health Hazard** 1	**Flammability** 0	**Physical Hazard** 0	**Personal Protection** X

Prepared By Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092
Issuing Date 21-Jul-2015
Revision Date 21-Jul-2015
Revision Note Initial Release.

General Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

FICHA DE DATOS DE SEGURIDAD

Fecha de emisión 21-jul-2015 **Fecha de revisión** 21-jul-2015 **Número de Revisión** 0

1. IDENTIFICACIÓN DE LA SUBSTANCIA/PREPARACIÓN Y DE LA SOCIEDAD/EMPRESA

Identificador de producto SGA

Nombre del producto **Foam & Mesh Adhesive (F& M), F&M Plus, Guardian, WeatherStop, Vise**

Otros medios de identificación

Sinónimos ninguno

Uso recomendado del producto químico y restricciones de uso

Uso recomendado Adhesivo acrílico y capa de revestimiento a base de agua

Usos contraindicados No hay información disponible

Datos del proveedor

Dirección de proveedor
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Teléfono de emergencia

Teléfono de emergencia 1-800-535-5053

2. IDENTIFICACIÓN DE LOS PELIGROS

Clasificación

Esta sustancia no es considerada peligrosa de acuerdo con la norma de comunicación de peligros de OSHA 2012 (29 CFR 1910.1200).

No está clasificado

Elementos de la etiqueta SGA/GHS, incluyendo las declaraciones cautelares

Revisión de la Emergencia

Palabra de advertencia **ninguno**
Declaraciones sobre riesgos
• ninguno

El producto no contiene sustancias que se consideren peligrosas a la salud a las concentraciones previstas
Aspecto canela **Estado físico** líquido. **Olor** ligero

Medidas de precaución

Prevención
• ninguno

Consejos generales
• Ninguno

Almacenamiento
• ninguno

Eliminación
• ninguno

Peligro no clasificado en otra parte (HNOC)

No aplicable

Otra información
79.8573 % de la mezcla consiste en ingredientes de toxicidad desconocida

3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS INGREDIENTES

Nombre químico	CAS No	% en peso	Secreto Comercial
Sílice cristalina, cuarzo	14808-60-7	40-70	*

**El porcentaje exacto (concentración) en la composición no se revela por ser un secreto comercial.*

4. PRIMEROS AUXILIOS

Descripción de las medidas necesarias en primeros auxilios

Contacto con los ojos Lávese a fondo con agua abundante durante 15 minutos por lo menos y consulte al médico.

Contacto con la piel Lave la piel con agua y jabón.

Inhalación Salga al aire libre.

Ingestión Lávese la boca con agua y después beba agua abundante

Síntomas/efectos más importante, agudos y retardados

Síntomas/efectos más importantes No hay información disponible.

Indicación de la atención médica inmediata y tratamiento especial necesario, si se necesita

Notas para el médico Trate sintomáticamente.

5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Medios de extinción adecuados
Use medidas de extinción que sean apropiadas a las circunstancias locales y de sus alrededores.

Medios no adecuados de extinción No hay información disponible.

Riesgos específicos debidos a la sustancia química
No hay información disponible.

Datos sobre Peligros de Explosión
Sensible a impactos mecánicos ninguno.
Sensible a descargas estáticas ninguno.

Equipo de protección y precauciones para bomberos
Como en cualquier incendio, llevar un aparato respiratorio autónomo con demanda de presión, MSHA/NIOSH (aprobado o equivalente) y una ropa de protección total.

6. MEDIDAS QUE DEBEN TOMARSE EN CASO DE VERTIDO ACCIDENTAL

Precauciones personales, equipo de protección y procedimientos de emergencia

Precauciones individuales Asegure una ventilación apropiada. Evitar el lijado o pulido de superficies que contengan capas secas de pintura.

Precauciones ambientales

Precauciones ambientales No dispersar en el medio ambiente. Eliminación de contenidos /contenedor a una planta de eliminación de residuos aprobada. Recoger los vertidos. Véase la Sección 12 para ver la Información Ecológica adicional.

Métodos y materiales de contención y limpieza

Métodos de contención Impidas nuevos escapes o derrames de forma segura.

Métodos de limpieza Recójalo y traspáselo a contenedores correctamente etiquetados.

7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones para un manejo seguro

Manipulación Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad. Evitar el lijado o pulido de superficies que contengan capas secas de pintura.

Condiciones de almacenamiento seguro, incluyendo cualquier incompatibilidad

Almacenamiento Cierre los recipientes herméticamente y manténgalos en lugar seco, fresco y bien ventilado.

Productos incompatibles No se conocen de acuerdo con la información suministrada.

8. CONTROLES DE EXPOSICION Y PROTECCION PERSONAL

Parámetros de control

Directrices de exposición

Nombre químico	Valor límite umbral (TLV), ACGIH	Límite permisible de exposición (PEL), OSHA	Peligro inmediato para la vida o la salud (IDLH), NIOSH
Sílice cristalina, cuarzo 14808-60-7	TWA: 0.025 mg/m³ respirable fraction	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Etilenglicol 107-21-1	Ceiling: 100 mg/m³ aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m³	-

Controles de ingeniería apropiados

Disposiciones de ingeniería Duchas
Estaciones lavaojos
Sistemas de ventilación

Medidas de protección individual, tales como equipo de protección personal (PPE)

Protección de los ojos / cara No se requiere equipo especial de protección.
Protección de la piel y del cuerpo No se requiere equipo especial de protección.
Protección respiratoria Si se exceden los límites de exposición o se presenta una irritación, se debe de usar la protección respiratoria aprobada por NIOSH/MSHA. Los respiradores de aire de presión positiva proporcionados pueden ser exigidos cuando existen altas concentraciones de contaminantes aerotransportados. La protección respiratoria se debe proporcionar de acuerdo con regulaciones locales actuales

Medidas de higiene Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad.

9. PROPIEDADES FÍSICAS Y QUÍMICAS

Información sobre las propiedades físicas y químicas básicas

Estado físico	líquido.	**Aspecto**	canela.
Olor	ligero.	**Límite de olor**	No hay información disponible.

Propiedades	**Valores**	**Observaciones/ - Método**
pH	8 - 10	No conocidos
Punto de fusión/rango	sin datos disponibles	No conocidos
Punto / intervalo de ebullición	> 100 °C	No conocidos
Punto de inflamación	sin datos disponibles	No conocidos
Índice de evaporación	sin datos disponibles	No conocidos
Inflamabilidad (sólido, gas)	sin datos disponibles	No conocidos
Límites de Inflamabilidad en el Aire		
límite superior de inflamabilidad	sin datos disponibles	
límite inferior de inflamabilidad	sin datos disponibles	
Presión de vapor	sin datos disponibles	No conocidos
Densidad de vapor	sin datos disponibles	No conocidos
Gravedad Específicas	>1	No conocidos
Hidrosolubilidad	Miscible con agua	No conocidos
Solubilidad en otros disolventes	sin datos disponibles	No conocidos
Coeficiente de partición: (n-octanol/agua)	sin datos disponibles	No conocidos
Temperatura de auto-inflamación	sin datos disponibles	No conocidos
Temperatura de descomposición	sin datos disponibles	No conocidos
Viscosidad	90-100 K.U.	No conocidos
Propiedades inflamables	No inflamable	
Propiedades explosivas	sin datos disponibles	
Propiedades comburentes	sin datos disponibles	

Otra información

Contenido (%) COV (compuestos orgánicos volátiles)	sin datos disponibles
COV (g/l)	1 g/l

10. ESTABILIDAD Y REACTIVIDAD

Reactividad

sin datos disponibles

Estabilidad química

Estable bajo las condiciones de almacenamiento recomendadas.

Posibilidad de reacciones peligrosas

Nada en condiciones normales de proceso.

Polimerización peligrosa

La polimerización peligrosa no ocurre.

Condiciones a evitar

No se conocen de acuerdo con la información suministrada.

Materiales incompatibles

No se conocen de acuerdo con la información suministrada.

Productos de descomposición peligrosos

No se conocen de acuerdo con la información suministrada.

11. INFORMACIÓN TOXICOLÓGICA

Información sobre las rutas probables de exposición

Información del Producto

Inhalación	No existe ningún dato disponible para ese producto.
Contacto con los ojos	No existe ningún dato disponible para ese producto.
Contacto con la piel	No existe ningún dato disponible para ese producto.
Ingestión	No existe ningún dato disponible para ese producto.

Síntomas relacionados a las características físicas, químicas y toxicológicas

Síntomas No hay información disponible

Efectos inmediatos y tardíos y también efectos crónicos de exposición a corto y largo plazo

Sensibilización	No hay información disponible.
efectos mutágenos	No hay información disponible.
Carcinogenicidad	La tabla más abajo indica los ingredientes listados por cada agencia como carcinógenos. Este producto contiene sílice cristalina (cuarzo) en forma no respirable. La inhalación de sílice cristalina es poco probable que ocurra si hay exposición a este producto.

Nombre químico	ACGIH	IARC (Agencia Internacional para la Investigación sobre el Cáncer)	NTP	OSHA
Sílice cristalina, cuarzo	A2	Group 1	Known	X

ACGIH: (Conferencia Americana de Higienistas Industriales Gubernamentales)
A2 - Carcinógeno humano sospechoso

IARC (Agencia Internacional para la Investigación sobre el Cáncer)
Grupo 1 - Carcinógeno para los humanos

NTP: (Programa Nacional de Toxicología)
Conocido – Carcinógeno conocido

OSHA: (Administración de Seguridad y Salud Ocupacional)
X – Presente

Toxicidad a la reproducción	No hay información disponible.
Toxicidad sistémica a un órgano específico objetivo (exposición única)	No hay información disponible.
Toxicidad sistémica a un órgano específico objetivo (exposición repetida)	No hay información disponible.
Peligro de aspiración	No hay información disponible.

Medidas numéricas de toxicidad - Producto

Toxicidad aguda	79.8573 % de la mezcla consiste en ingredientes de toxicidad desconocida
DL50 Oral	> 5000 mg/kg; (ATE)

12. INFORMACIONES ECOLÓGICAS

Ecotoxicidad

El impacto ambiental de este producto no se ha investigado completamente.

Nombre químico	Toxicidad para las algas	Toxicidad para peces	Toxicidad hacia los microorganismos	Daphnia magna (Pulga de mar grande)
Etilenglicol 107-21-1	EC50 96 h: 6500 - 13000 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: 14 - 18 mL/L static (Oncorhynchus mykiss) LC50 96 h: 40000 - 60000 mg/L static (Pimephales promelas) LC50 96 h: = 16000 mg/L static (Poecilia reticulata) LC50 96 h: = 27540 mg/L static (Lepomis macrochirus) LC50 96 h: = 40761 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 41000 mg/L (Oncorhynchus mykiss)	EC50 = 10000 mg/L 16 h EC50 = 620 mg/L 30 min EC50 = 620.0 mg/L 30 min	EC50 48 h: = 46300 mg/L (Daphnia magna)

Persistencia y degradabilidad No hay información disponible.

Bioacumulación

Otros efectos nocivos

No hay información disponible

13. INFORMACIÓN RELATIVA A LA ELIMINACIÓN DE LOS PRODUCTOS

Métodos de eliminación de los desechos Este material, tal como se suministra, no es un residuo peligroso de acuerdo con las Regulaciones Federales (40 CFR 261). Este material puede convertirse en un residuo peligroso si se mezcla o entra en contacto con un residuo peligroso, si le fueran agregadas sustancias químicas, o si el material es procesado o alterado de alguna manera. Consúltese la regulación 40 CFR 261 para determinar si el material alterado obtenido es un residuo peligroso. Consúltense las regulaciones estatales, regionales o locales pertinentes para conocer requisitos adicionales

Envases contaminados No reutilice los recipientes vacíos.

14. INFORMACIÓN RELATIVA AL TRANSPORTE

DOT no regulado

15. INFORMACIÓN REGLAMENTARIA

Inventarios Internacionales

TSCA Todos los componentes de este producto están listados o exentos en el Inventario TSCA.

Leyenda

TSCA - Ley de Control de Sustancias Tóxicas de Estados Unidos, Sección 8(b) Inventario

Reglamentaciones Federales

Sección 313 de Título III de la Ley de Reautorización y Enmiendas de Superfund de 1986 (SARA). Este producto no contiene ninguna sustancia química sujeta a los requisitos de declaración de la Ley y Título 40 del Código de Regulaciones Federales, Parte 372.

Categorías de Riesgo SARA 311/312

Peligro Agudo para la Salud	no
Peligro Crónico para la Salud	no
Peligro de Incendio	No
Escape Brusco de Presión Peligrosa	No
Peligro de Reactivo	No

Ley del Agua Limpia

Este producto no contiene ninguna sustancia regulada como agente contaminante conforme a la Acta de agua limpia (40 CFR 122.421 y 40 CFR 122.42).

CERCLA

Este material, tal como se suministra, contiene una o más sustancias reguladas como peligrosas según la Ley de Respuesta Ambiental Integral, Compensación y Responsabilidad Pública (CERCLA) (40 CFR 302)

Reglamentaciones de los Estados

Proposición 65 de California

Este producto contiene las siguientes sustancias químicas de la Proposición 65:

Nombre químico	CAS No	Proposición 65 de California
Sílice cristalina, cuarzo	14808-60-7	Carcinogen

Regulaciones de EE.UU. sobre el derecho a saber

Nombre químico	Nueva Jersey	Massachussets	Pensilvania	Illinois	Rhode Island
Sílice cristalina, cuarzo	X	X	X	-	X

EPA EUA Información de la etiqueta

EPA Número del registro de pesticida No aplicable

16. OTRAS INFORMACIONES

NFPA	**Peligro para la salud**	1	**Inflamabilidad**	0	**Inestabilidad**	0	**Peligros físicos y químicos** -
HMIS	**Peligro para la salud**	1	**Inflamabilidad**	0	**Peligro físico**	0	**Precauciones individuales** X

Preparado Por Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Fecha de emisión 21-jul-2015
Fecha de revisión 21-jul-2015
Nota de revisión Primera edición.

Renuncia

La información proporcionada en esta Hoja de Datos de Seguridad es correcta según nuestro leal saber y entender, grado de información y opinión en la fecha de su publicación. La información brindada esta diseñada sólo como guía para la manipulación, uso, procesamiento, almacenamiento, transportación, disposición y distribución seguros del producto y no debe considerarse como garantía o especificación de calidad. Los datos se refieren solamente al material específico designado en ella y puede no ser válida para los materiales usados en combinación con cualquier otro material o proceso, a menos que sea especificado en el texto.

Fin de la HDS

SAFETY DATA SHEET

Issuing Date 25-Jan-2016 **Revision Date** 25-Jan-2016 **Revision Number** 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name: MBB Adhesive & Base Coat, MBB Plus, White MBB, Base Coat and Adhesive, Hardcoat Mortar, UltraBond

Other means of identification

Synonyms BBC

Recommended use of the chemical and restrictions on use

Recommended Use Bag mix adhesive and basecoat

Uses advised against No information available

Supplier's details

Supplier Address
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency telephone number

Emergency Telephone Number 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 1
Skin Sensitization	Category 1
Carcinogenicity	Category 1A
Reproductive Toxicity	Category 1A
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3
Specific Target Organ Toxicity (Repeated Exposure)	Category 2

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word **Danger**

Hazard Statements
- Causes skin irritation
- Causes serious eye damage
- May cause an allergic skin reaction
- May cause cancer
- May damage fertility or the unborn child
- May cause respiratory irritation
- May cause damage to organs through prolonged or repeated exposure
- Harmful to aquatic life with long lasting effects

Appearance Grey. **Physical State** Solid (powder). **Odor** None.

Precautionary Statements

Prevention
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Wash face, hands and any exposed skin thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Do not breathe dust/fume/gas/mist/vapors/spray.
- Use only outdoors or in a well-ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.

General Advice
- If exposed or concerned: Get medical attention/advice
- Specific treatment (see supplemental instructions on the administration of antidotes on this label)

Eyes
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTER or doctor/physician.

Skin
- IF ON SKIN: Wash with plenty of soap and water.
- Take off contaminated clothing and wash before reuse.
- If skin irritation or rash occurs: Get medical advice/attention.

Inhalation
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage
- Store locked up.
- Store in a well-ventilated place. Keep container tightly closed.

Disposal
- Dispose of contents/container to an approved waste disposal plant.

Hazard Not Otherwise Classified (HNOC)

Not applicable.

Other information

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

37.51419% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms BBC

Chemical Name	CAS-No	Weight %	Trade secret
Quartz	14808-60-7	30-60	*
Portland cement	65997-15-1	10-30	*
Silica	7631-86-9	3 -7	*
Calcium oxide	1305-78-8	1-5	*
Aluminum oxide	1344-28-1	1-5	*
Calcium sulfate	7778-18-9	1-5	*
Limestone	1317-65-3	1-5	*
Flue dust, zinc-refining	69012-63-1	1-5	*
Iron oxide	1309-37-1	0.1-1	*
Silica, fused	60676-86-0	0.1-1	*
Chromium (VI)	18540-29-9	< 0.1	*
Titanium dioxide	13463-67-7	< 0.1	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

General Advice Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Do not rub affected area. Get medical attention.

Skin Contact Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. If skin irritation or rash occurs: Get medical advice/attention.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

Ingestion Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects Burning. Itching. Rashes. Hives. Coughing and/ or wheezing.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician May cause sensitization of susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

Product is or contains a sensitizer. May cause sensitization by skin contact.

Explosion Data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment as required. Refer to Section 8. Evacuate personnel to safe areas.

Environmental Precautions

Environmental Precautions Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products Acids. Oxidizing agents. Metals. Metal salts.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Quartz 14808-60-7	TWA: 0.025 mg/m³ respirable fraction	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Portland cement 65997-15-1	TWA: 1 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction TWA: 50 mppcf <1% Crystalline silica	IDLH: 5000 mg/m³ TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Silica 7631-86-9	-	(vacated) TWA: 6 mg/m³ <1% Crystalline silica TWA: 20 mppcf : (80)/(% SiO2) mg/m³ TWA	IDLH: 3000 mg/m³ TWA: 6 mg/m³
Calcium oxide 1305-78-8	TWA: 2 mg/m³	TWA: 5 mg/m³ (vacated) TWA: 5 mg/m³	IDLH: 25 mg/m³ TWA: 2 mg/m³
Aluminum oxide 1344-28-1	TWA: 1 mg/m³ respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	-

Calcium sulfate 7778-18-9	TWA: 10 mg/m³ inhalable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Limestone 1317-65-3	-	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³	TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust
Flue dust, zinc-refining 69012-63-1	TWA: 0.05 mg/m³ Pb TWA: 0.01 mg/m³ Cd TWA: 0.002 mg/m³ Cd respirable fraction	TWA: 50 µg/m³ Pb Action Level: 30 µg/m³ Pb Poison, See 29 CFR 1910.1025 Action Level: 2.5 µg/m³ Cd	IDLH: 9 mg/m³ Cd dust and fume IDLH: 100 mg/m³ Pb TWA: 0.050 mg/m³ Pb
Iron oxide 1309-37-1	TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ fume (vacated) TWA: 10 mg/m³ fume	IDLH: 2500 mg/m³ Fe dust and fume TWA: 5 mg/m³ Fe dust and fume
Silica, fused 60676-86-0	-	(vacated) TWA: 0.1 mg/m³ respirable dust : (80)/(% SiO2) mg/m³ TWA TWA: 20 mppcf	-
Chromium (VI) 18540-29-9	-	TWA: 5 µg/m³ Action Level: 2.5 µg/m³	-
Titanium dioxide 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tightly fitting safety goggles.
Skin and Body Protection Long sleeved clothing. Impervious gloves.
Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Solid (powder).
Appearance Grey.
Odor None.
Odor Threshold No information available.

Property	Values	Remarks/ - Method
pH	8 - 10	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	> 100 °C	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	>1.	None known
Water Solubility	Miscible with water	None known

Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Not flammable	
Explosive Properties	No data available	
Oxidizing Properties	No data available	

Other information

VOC Content (%) No data available

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Acids. Oxidizing agents. Metals. Metal salts.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO_2).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information The product itself has not been tested.
- **Inhalation** May cause irritation of respiratory tract.
- **Eye Contact** Causes serious eye damage.
- **Skin Contact** Irritating to skin. Prolonged contact may cause redness and irritation.
- **Ingestion** Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Quartz	-	-	-
Silica	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	>2.2 mg/L (Rat) 4 h
Calcium oxide	= 500 mg/kg (Rat)	-	-
Aluminum oxide	> 5000 mg/kg (Rat)	-	-

Calcium sulfate	> 3000 mg/kg (Rat)	-	-
Iron oxide	> 10000 mg/kg (Rat)	-	-
Carbon	10000 mg/kg (Rat)	-	-
Titanium dioxide	> 10000 mg/kg (Rat)	-	> 6820 mg/m³
Potassium carbonate	>2000 mg/kg (Rat, OECD 401, REACH KEY)	>2000 mg/kg (Rat, REACH KEY)	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Burning. Erythema (skin redness). Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing Coughing and/ or wheezing.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization May cause sensitization by skin contact.
Mutagenic Effects No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Quartz	A2	Group 1	Known	X
Silica		Group 3		
Flue dust, zinc-refining	A3 A2	Group 2A Group 1	Known Reasonably Anticipated	X
Iron oxide		Group 3		
Silica, fused		Group 3		
Chromium (VI)		Group 1	Known	X
Titanium dioxide		Group 2B		X

ACGIH: (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2A - Probably Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans
Group 3 - Not Classifiable as to its Carcinogenicity to Humans

NTP: (National Toxicity Program)
Known - Known Carcinogen
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA: (Occupational Safety & Health Administration)
X - Present

Reproductive Toxicity Contains a known or suspected reproductive toxin.
STOT - single exposure Respiratory system.
STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product
Acute Toxicity 37.51419% of the mixture consists of ingredient(s) of unknown toxicity.
The following values are calculated based on chapter 3.1 of the GHS document:
LD50 Oral 6293 mg/kg; Acute toxicity estimate
LD50 Dermal 47406 mg/kg; Acute toxicity estimate
Inhalation
gas 193935
dust/mist 64.6 mg/L; Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Silica 7631-86-9	EC50 72 h: = 440 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 5000 mg/L static (Brachydanio rerio)		EC50 48 h: = 7600 mg/L (Ceriodaphnia dubia)
Calcium oxide 1305-78-8		LC50 96 h: = 1070 mg/L static (Cyprinus carpio)		
Aluminum oxide 1344-28-1		LC50 96 h: > 100 mg/L semistatic (Salmo trutta)		LC50 48 h: > 100 mg/L (daphnia magna)
Calcium sulfate 7778-18-9		LC50 96 h: = 2980 mg/L static (Lepomis macrochirus) LC50 96 h: > 1970 mg/L static (Pimephales promelas)		EC50 120 h: = 3200 mg/L (Nitscheria linearis)
Chromium (VI) 18540-29-9		LC50 96 h: = 36.2 mg/L (Pimephales promelas) LC50 96 h: = 7.6 mg/L (Oncorhynchus mykiss)		EC50 24 h: = 435 µg/L (water flea)

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Chromium (VI) - 18540-29-9		Included in waste streams: F006, F019, K002, K003, K004, K005, K006, K007, K008, K048, K049, K050, K051, K061, K062, K069, K086, K100		

Component	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes

Chromium (VI) 18540-29-9 (< 0.1)			Toxic waste waste number F019 Waste description: Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process. Wastewater treatment sludges from the manufacturing of motor vehicles using a zinc phosphating process will not be subject to this listing at the point of generation if the wastes are not placed outside on the land prior to shipment to a landfill for disposal and are either: disposed in a Subtitle D municipal or industrial landfill unit that is equipped with a single clay liner and is permitted, licensed or otherwise authorized by the state or disposed in a landfill unit subject to, or otherwise meeting, the landfill requirements in § 258.40, § 264.301 or § 265.301. For the purposes of this listing, motor vehicle manufacturing is defined in paragraph (b)(4)(i) of this section and (b)(4)(ii) of this section describes the recordkeeping requirements for motor vehicle manufacturing facilities.	Toxic waste waste number K050 Waste description: Heat exchanger bundle cleaning sludge from the petroleum refining industry.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA All components of this product are either listed or are exempt on the TSCA inventory.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Flue dust, zinc-refining	69012-63-1	1-5	0.1
Chromium (VI)	18540-29-9	< 0.1	0.1

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Flue dust, zinc-refining		X		
Chromium (VI)		X		

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Chromium (VI)	10 lb		RQ 10 lb final RQ RQ 4.54 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Quartz	14808-60-7	Carcinogen
Flue dust, zinc-refining	69012-63-1	Carcinogen Developmental
Chromium (VI)	18540-29-9	Carcinogen Developmental Female Reproductive Male Reproductive
Titanium dioxide	13463-67-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Quartz	X	X	X	-	X
Portland cement	X	X	X		X
Silica	X	X	X		
Calcium oxide	X	X	X		X
Aluminum oxide	X	X	X		X
Calcium sulfate	X	X	X		
Limestone	X	X	X		X
Flue dust, zinc-refining			X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	**Health Hazard** 3	**Flammability** 0	**Instability** 0	**Physical and Chemical Hazards** -
HMIS	**Health Hazard** 3*	**Flammability** 0	**Physical Hazard** 0	**Personal Protection** X

**Indicates a chronic health hazard.*

Prepared By
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

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Revision Note Initial Release.

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

FICHA DE DATOS DE SEGURIDAD

Fecha de emisión 25-ene-2016 **Fecha de revisión** 25-ene-2016 **Número de Revisión** 0

1. IDENTIFICACIÓN DE LA SUBSTANCIA/PREPARACIÓN Y DE LA SOCIEDAD/EMPRESA

Identificador de producto SGA

Nombre del producto: MBB Adhesive & Base Coat, MBB Plus, White MBB, Base Coat & Adhesive, Hardcoat Mortar, UltraBond

Otros medios de identificación

Sinónimos BBC

Uso recomendado del producto químico y restricciones de uso

Uso recomendado Mezcla de adhesivo para sacos y capa base

Usos contraindicados No hay información disponible

Datos del proveedor

Dirección de proveedor
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Teléfono de emergencia

Teléfono de emergencia 1-800-535-5053

2. IDENTIFICACIÓN DE LOS PELIGROS

Clasificación

Esta sustancia es considerada peligrosa de acuerdo con la norma de comunicación de peligros de OSHA 2012 (29 CFR 1910.1200).

Corrosión/irritación cutáneas	Categoría 2
Lesiones oculares graves/irritación ocular	Categoría 1
Sensibilización cutánea	Categoría 1
Carcinogenicidad	Categoría 1A
Toxicidad a la reproducción	Categoría 1A
Toxicidad sistémica a un órgano específico objetivo - exposición única	Categoría 3
Toxicidad sistémica a un órgano específico objetivo (exposición repetida)	Categoría 2

Elementos de la etiqueta SGA/GHS, incluyendo las declaraciones cautelares

Revisión de la Emergencia

Palabra de advertencia **Peligro**

Declaraciones sobre riesgos
• Provoca irritación cutánea
• Provoca lesiones oculares graves
• Puede provocar una reacción alérgica de la piel
• Puede causar cáncer
• Puede perjudicar la fertilidad o dañar al feto
• Puede irritar las vías respiratorias
• Puede causar daño a los órganos por exposición prolongada o repetida
• Nocivo para la vida acuática, con efectos nocivos duraderos

Aspecto Gris. **Estado físico** Sólido (polvo). **Olor** ninguno.

Medidas de precaución

Prevención
• Procurarse las instrucciones antes del uso
• No manipular antes de haber leído y comprendido todas las precauciones de seguridad
• Utilizar un equipo de protección individual, según corresponda
• Lávese la cara, manos y toda la piel expuesta, minuciosamente después del manejo
• La ropa de trabajo contaminada no puede sacarse del lugar de trabajo
• No respirar polvos/humos/gases/nieblas/vapores/aerosoles
• Utilizar sólo al aire libre o en un lugar bien ventilado
• Usar guantes/ropa de protección/equipo de protección para los ojos/la cara

Consejos generales
• En caso de exposición demostrada o presunta: consultar a un médico
• Tratamiento específico (véanse las instrucciones complementarias sobre administración de antídotos de esta etiqueta)

Ojos
• EN CASO DE CONTACTO CON LOS OJOS: Enjuagar con agua cuidadosamente durante varios minutos. Quitar las lentes de contacto cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado
• Llamar inmediatamente a un CENTRO DE TOXICOLOGÍA o a un médico

Piel
• EN CASO DE CONTACTO CON LA PIEL: Lavar con abundante agua y jabón
• Quitar la ropa contaminada y lavarla antes de volverla a usar
• Si ocurre irritación o erupción de la piel: Busque consulta médica/atención médica

Inhalación
• EN CASO DE INHALACIÓN: Transportar a la víctima al aire libre y mantenerla en una posición que facilite su respiración

Ingestión
• ninguno

Fuego
• ninguno

Derrames y fugas
• ninguno

Almacenamiento
• Guardar bajo llave
• Almacenar en un lugar bien ventilado. Guardar el recipiente herméticamente cerrado

Eliminación
• Eliminación de contenidos /contenedor a una planta de eliminación de residuos aprobada

Peligro no clasificado en otra parte (HNOC)

No aplicable.

Otra información
Nocivo para los organismos acuáticos. Nocivo para los organismos acuáticos, con efectos nocivos duraderos.

37.51419 % de la mezcla consiste en ingredientes de toxicidad desconocida

3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS INGREDIENTES

Sinónimos BBC

Nombre químico	CAS No	% en peso	Secreto Comercial
Sílice cristalina, cuarzo	14808-60-7	30-60	*
Cemento Portland	65997-15-1	10-30	*
Silico amoria	7631-86-9	3 -7	*
Óxido de calcio	1305-78-8	1-5	*
Óxido de aluminio	1344-28-1	1-5	*
Sulfato de calcio	7778-18-9	1-5	*
Carbonato de calcio	1317-65-3	1-5	*
polvos de los humos, afino de zinc	69012-63-1	1-5	*
Óxido de hierro	1309-37-1	0.1-1	*
Sílice, fundida	60676-86-0	0.1-1	*
Cromo (VI)	18540-29-9	< 0.1	*
Dióxido de titanio	13463-67-7	< 0.1	*

**El porcentaje exacto (concentración) en la composición no se revela por ser un secreto comercial.*

4. PRIMEROS AUXILIOS

Descripción de las medidas necesarias en primeros auxilios

Consejos generales Muéstrele esta ficha de seguridad al doctor que esté de servicio

Contacto con los ojos Enjuague inmediatamente con abundante agua, también debajo de los párpados, por lo menos durante 15 minutos. Manténgase el ojo bien abierto mientras se lava. Quitar las lentes de contacto, cuando estén presentes, después de los primeros 5 minutos y proseguir con el lavado. No frotar la parte afectada. Consultar un médico.

Contacto con la piel Lave inmediatamente con jabón y abundancia de agua para por lo menos 15 minutos. Puede provocar una reacción cutánea alérgica. Si ocurre irritación o erupción de la piel: Busque consulta médica/atención médica.

Inhalación Trasladar al aire libre. Consultar inmediatamente un médico si los síntomas aparecen.

Ingestión Enjuagar la boca inmediatamente y beber abundante agua. No provoque vómitos. Nunca debe administrarse nada por la boca a una persona inconsciente. Consultar un médico.

Síntomas/efectos más importante, agudos y retardados

Síntomas/efectos más importantes Quemadura. Escozor. Erupción cutánea. Ronchas. Tos y/o sibilancia.

Indicación de la atención médica inmediata y tratamiento especial necesario, si se necesita

Notas para el médico Puede causar sensibilización en personas susceptibles. Trate sintomáticamente.

5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Medios de extinción adecuados
Use medidas de extinción que sean apropiadas a las circunstancias locales y de sus alrededores.

Medios no adecuados de extinción CUIDADO: El uso de agua pulverizada para la extinción de incendios puede resultar ineficaz.

Riesgos específicos debidos a la sustancia química

El producto es o contiene un sensibilizante Posibilidad de sensibilización en contacto con la piel.

Datos sobre Peligros de Explosión

Sensible a impactos mecánicos ninguno.

Sensible a descargas estáticas ninguno.

Equipo de protección y precauciones para bomberos

Como en cualquier incendio, llevar un aparato respiratorio autónomo con demanda de presión, MSHA/NIOSH (aprobado o equivalente) y una ropa de protección total.

6. MEDIDAS QUE DEBEN TOMARSE EN CASO DE VERTIDO ACCIDENTAL

Precauciones personales, equipo de protección y procedimientos de emergencia

Precauciones individuales Asegure una ventilación apropiada. Evite el contacto con la piel, ojos y ropa. Utilizar un equipo de protección individual, según corresponda Consultar la Sección 8. Evacue al personal a zonas seguras.

Precauciones ambientales

Precauciones ambientales No dispersar en el medio ambiente. Eliminación de contenidos /contenedor a una planta de eliminación de residuos aprobada. Véase la Sección 12 para ver la Información Ecológica adicional.

Métodos y materiales de contención y limpieza

Métodos de contención Impidas nuevos escapes o derrames de forma segura.

Métodos de limpieza Recójalo y traspáselo a contenedores correctamente etiquetados.

7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones para un manejo seguro

Manipulación Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad. Evite el contacto con la piel, ojos y ropa. No comer, beber o fumar mientras se manipula este producto. Quítese la ropa contaminada y lávela antes de reutilizarla.

Condiciones de almacenamiento seguro, incluyendo cualquier incompatibilidad

Almacenamiento Cierre los recipientes herméticamente y manténgalos en lugar seco, fresco y bien ventilado.

Productos incompatibles Ácidos. Oxidantes. Metales. Sales de metales.

8. CONTROLES DE EXPOSICION Y PROTECCION PERSONAL

Parámetros de control

Directrices de exposición

Nombre químico	Valor límite umbral (TLV), ACGIH	Límite permisible de exposición (PEL), OSHA	Peligro inmediato para la vida o la salud (IDLH), NIOSH
Sílice cristalina, cuarzo 14808-60-7	TWA: 0.025 mg/m³ respirable fraction	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust

Cemento Portland 65997-15-1	TWA: 1 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction TWA: 50 mppcf <1% Crystalline silica	IDLH: 5000 mg/m³ TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Silico amoria 7631-86-9	-	(vacated) TWA: 6 mg/m³ <1% Crystalline silica TWA: 20 mppcf : (80)/(% SiO2) mg/m³ TWA	IDLH: 3000 mg/m³ TWA: 6 mg/m³
Óxido de calcio 1305-78-8	TWA: 2 mg/m³	TWA: 5 mg/m³ (vacated) TWA: 5 mg/m³	IDLH: 25 mg/m³ TWA: 2 mg/m³
Óxido de aluminio 1344-28-1	TWA: 1 mg/m³ respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	-
Sulfato de calcio 7778-18-9	TWA: 10 mg/m³ inhalable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Carbonato de calcio 1317-65-3	-	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³	TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust
polvos de los humos, afino de zinc 69012-63-1	TWA: 0.05 mg/m³ Pb TWA: 0.01 mg/m³ Cd TWA: 0.002 mg/m³ Cd respirable fraction	TWA: 50 µg/m³ Pb Action Level: 30 µg/m³ Pb Poison, See 29 CFR 1910.1025 Action Level: 2.5 µg/m³ Cd	IDLH: 9 mg/m³ Cd dust and fume IDLH: 100 mg/m³ Pb TWA: 0.050 mg/m³ Pb
Óxido de hierro 1309-37-1	TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ fume (vacated) TWA: 10 mg/m³ fume	IDLH: 2500 mg/m³ Fe dust and fume TWA: 5 mg/m³ Fe dust and fume
Sílice, fundida 60676-86-0	-	(vacated) TWA: 0.1 mg/m³ respirable dust : (80)/(% SiO2) mg/m³ TWA TWA: 20 mppcf	-
Cromo (VI) 18540-29-9	-	TWA: 5 µg/m³ Action Level: 2.5 µg/m³	-
Dióxido de titanio 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³

Controles de ingeniería apropiados

Disposiciones de ingeniería Duchas
Estaciones lavaojos
Sistemas de ventilación

Medidas de protección individual, tales como equipo de protección personal (PPE)

Protección de los ojos / cara Gafas de seguridad ajustadas al contorno del rostro.
Protección de la piel y del cuerpo Ropa de manga larga. Guantes impermeables.
Protección respiratoria Si se exceden los límites de exposición o se presenta una irritación, se debe de usar la protección respiratoria aprobada por NIOSH/MSHA. Los respiradores de aire de presión positiva proporcionados pueden ser exigidos cuando existen altas concentraciones de contaminantes aerotransportados. La protección respiratoria se debe proporcionar de acuerdo con regulaciones locales actuales

Medidas de higiene Evite el contacto con la piel, ojos y ropa. Utilice guantes adecuados y protección para ojos y cara. Mientras se utiliza, se prohibe comer, beber o fumar. Lávese las manos antes de los descansos e inmediatamente después de manipular la substancia.

9. PROPIEDADES FÍSICAS Y QUÍMICAS

Información sobre las propiedades físicas y químicas básicas

Estado físico	Sólido (polvo).	**Aspecto**	Gris.
Olor	ninguno.	**Límite de olor**	No hay información disponible.

Propiedades	**Valores**	**Observaciones/ - Método**
pH	8 - 10	No conocidos
Punto de fusión/rango	sin datos disponibles	No conocidos
Punto / intervalo de ebullición	> 100 °C	No conocidos
Punto de inflamación	sin datos disponibles	No conocidos
Índice de evaporación	sin datos disponibles	No conocidos
Inflamabilidad (sólido, gas)	sin datos disponibles	No conocidos
Límites de Inflamabilidad en el Aire		
límite superior de inflamabilidad	sin datos disponibles	
límite inferior de inflamabilidad	sin datos disponibles	
Presión de vapor	sin datos disponibles	No conocidos
Densidad de vapor	sin datos disponibles	No conocidos
Gravedad Específicas	>1.	No conocidos
Hidrosolubilidad	Miscible con agua	No conocidos
Solubilidad en otros disolventes	sin datos disponibles	No conocidos
Coeficiente de partición: (n-octanol/agua)	sin datos disponibles	No conocidos
Temperatura de auto-inflamación	sin datos disponibles	No conocidos
Temperatura de descomposición	sin datos disponibles	No conocidos
Viscosidad	sin datos disponibles	No conocidos

Propiedades inflamables	No inflamable
Propiedades explosivas	sin datos disponibles
Propiedades comburentes	sin datos disponibles

Otra información

Contenido (%) COV (compuestos orgánicos volátiles)	sin datos disponibles

10. ESTABILIDAD Y REACTIVIDAD

Reactividad

No se conoce ninguna reacción peligrosa en las condiciones de uso normales.

Estabilidad química

Estable bajo las condiciones de almacenamiento recomendadas.

Posibilidad de reacciones peligrosas

Nada en condiciones normales de proceso.

Polimerización peligrosa

La polimerización peligrosa no ocurre.

Condiciones a evitar

No se conocen de acuerdo con la información suministrada.

Materiales incompatibles

Ácidos. Oxidantes. Metales. Sales de metales.

Productos de descomposición peligrosos

La descomposición térmica puede llegar a desprender gases y vapores irritantes. Monóxido de carbono Bióxido de carbono (CO_2)

11. INFORMACIÓN TOXICOLÓGICA

Información sobre las rutas probables de exposición

Información del Producto El producto en sí no ha sido probado.
Inhalación Puede producir irritaciones en el sistema respiratorio.
Contacto con los ojos Provoca lesiones oculares graves.
Contacto con la piel Irrita la piel. El contacto prolongado puede causar enrojecimiento e irritación
Ingestión La ingestión puede causar irritación de las membranas mucosas. La ingestión puede ocasionar irritación gastrointestinal, náusea, vómito y diarrea.

Nombre químico	DL50 Oral	LD50 Dermico	LC50 Inhalación
Sílice cristalina, cuarzo	-	-	-
Silico amoria	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	>2.2 mg/L (Rat) 4 h
Óxido de calcio	= 500 mg/kg (Rat)	-	-
Óxido de aluminio	> 5000 mg/kg (Rat)	-	-
Sulfato de calcio	> 3000 mg/kg (Rat)	-	-
Óxido de hierro	> 10000 mg/kg (Rat)	-	-
Carbono	10000 mg/kg (Rat)	-	-
Dióxido de titanio	> 10000 mg/kg (Rat)	-	> 6820 mg/m^3
Carbonato de potasio	>2000 mg/kg (Rat, OECD 401, REACH KEY)	>2000 mg/kg (Rat, REACH KEY)	-

Síntomas relacionados a las características físicas, químicas y toxicológicas

Síntomas Quemadura. Eritema (enrojecimiento de la piel). Los síntomas de una reacción alérgica pueden incluir sarpullido, picazón, hinchazón, dificultades para respirar, hormigueo en las manos y los pies, mareos, vértigo, dolor torácico, dolor muscular o sofocos Tos y/o sibilancia.

Efectos inmediatos y tardíos y también efectos crónicos de exposición a corto y largo plazo

Sensibilización Posibilidad de sensibilización en contacto con la piel.
efectos mutágenos No hay información disponible.
Carcinogenicidad La tabla más abajo indica los ingredientes listados por cada agencia como carcinógenos.

Nombre químico	ACGIH	IARC (Agencia Internacional para la Investigación sobre el Cáncer)	NTP	OSHA
Sílice cristalina, cuarzo	A2	Group 1	Known	X
Silico amoria		Group 3		
polvos de los humos, afino de zinc	A3 A2	Group 2A Group 1	Known Reasonably Anticipated	X
Óxido de hierro		Group 3		
Sílice, fundida		Group 3		
Cromo (VI)		Group 1	Known	X
Dióxido de titanio		Group 2B		X

ACGIH: (Conferencia Americana de Higienistas Industriales Gubernamentales)
A2 - Carcinógeno humano sospechoso
A3 - Carcinógeno en animales

IARC (Agencia Internacional para la Investigación sobre el Cáncer)
Grupo 1 - Carcinógeno para los humanos
Grupo 2A – Probablemente carcinógeno para los humanos
Grupo 2B - Posiblemente carcinógeno para los humanos
Grupo 3 - No clasificado como carcinógeno para los humanos

NTP: (Programa Nacional de Toxicología)
Conocido – Carcinógeno conocido
Razonablemente anticipado – Se ha anticipado razonablemente que es un carcinógeno humano

OSHA: (Administración de Seguridad y Salud Ocupacional)
X – Presente

Toxicidad a la reproducción	Contiene una conocida toxina reproductiva.
Toxicidad sistémica a un órgano específico objetivo (exposición única)	Sistema respiratorio
Toxicidad sistémica a un órgano específico objetivo (exposición repetida)	Provoca daños en los órganos tras exposiciones prolongadas o repetidas.
Peligro de aspiración	No hay información disponible.

Medidas numéricas de toxicidad - Producto

Toxicidad aguda	37.51419 % de la mezcla consiste en ingredientes de toxicidad desconocida

Los siguientes valores se han calculado sobre la base del capítulo 3.1 del documento SGA:

DL50 Oral	6293 mg/kg; Estimación de la toxicidad aguda
LD50 Dermico	47406 mg/kg; Estimación de la toxicidad aguda
Inhalación	
gas	193935
polvo/niebla	64.6 mg/L; Estimación de la toxicidad aguda

12. INFORMACIONES ECOLÓGICAS

Ecotoxicidad
El impacto ambiental de este producto no se ha investigado completamente.

Nombre químico	Toxicidad para las algas	Toxicidad para peces	Toxicidad hacia los microorganismos	Daphnia magna (Pulga de mar grande)
Silico amoria 7631-86-9	EC50 72 h: = 440 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 5000 mg/L static (Brachydanio rerio)		EC50 48 h: = 7600 mg/L (Ceriodaphnia dubia)
Óxido de calcio 1305-78-8		LC50 96 h: = 1070 mg/L static (Cyprinus carpio)		
Óxido de aluminio 1344-28-1		LC50 96 h: > 100 mg/L semistatic (Salmo trutta)		LC50 48 h: > 100 mg/L (daphnia magna)
Sulfato de calcio 7778-18-9		LC50 96 h: = 2980 mg/L static (Lepomis macrochirus) LC50 96 h: > 1970 mg/L static (Pimephales promelas)		EC50 120 h: = 3200 mg/L (Nitscheria linearis)
Cromo (VI) 18540-29-9		LC50 96 h: = 36.2 mg/L (Pimephales promelas) LC50 96 h: = 7.6 mg/L (Oncorhynchus mykiss)		EC50 24 h: = 435 µg/L (water flea)

Persistencia y degradabilidad No hay información disponible.

Bioacumulación No hay información disponible.

Otros efectos nocivos
No hay información disponible

13. INFORMACIÓN RELATIVA A LA ELIMINACIÓN DE LOS PRODUCTOS

Métodos de eliminación de los desechos

Este material, tal como se suministra, no es un residuo peligroso de acuerdo con las Regulaciones Federales (40 CFR 261). Este material puede convertirse en un residuo peligroso si se mezcla o entra en contacto con un residuo peligroso, si le fueran agregadas sustancias químicas, o si el material es procesado o alterado de alguna manera. Consúltese la regulación 40 CFR 261 para determinar si el material alterado obtenido es un residuo peligroso. Consúltense las regulaciones estatales, regionales o locales pertinentes para conocer requisitos adicionales

Envases contaminados

No reutilice los recipientes vacíos.

Nombre químico	RCRA	RCRA - Base para Listado	RCRA – Residuos de clase D	RCRA - Residuos de clase U
Cromo (VI) - 18540-29-9		Included in waste streams: F006, F019, K002, K003, K004, K005, K006, K007, K008, K048, K049, K050, K051, K061, K062, K069, K086, K100		

Component	RCRA - Compuestos Orgánicos Halogenados	RCRA - Residuos de clase P	RCRA - Residuos de clase F	RCRA - Residuos de clase K
Cromo (VI) 18540-29-9 (< 0.1)			Toxic waste waste number F019 Waste description: Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process. Wastewater treatment sludges from the manufacturing of motor vehicles using a zinc phosphating process will not be subject to this listing at the point of generation if the wastes are not placed outside on the land prior to shipment to a landfill for disposal and are either: disposed in a Subtitle D municipal or industrial landfill unit that is equipped with a single clay liner and is permitted, licensed or otherwise authorized by the state or disposed in a landfill unit subject to, or otherwise meeting, the landfill requirements in § 258.40, § 264.301 or § 265.301. For the purposes of this listing, motor vehicle manufacturing is defined in paragraph (b)(4)(i) of this section and (b)(4)(ii) of this section describes the recordkeeping requirements for motor vehicle manufacturing facilities.	Toxic waste waste number K050 Waste description: Heat exchanger bundle cleaning sludge from the petroleum refining industry.

14. INFORMACIÓN RELATIVA AL TRANSPORTE

DOT no regulado

15. INFORMACIÓN REGLAMENTARIA

Inventarios Internacionales

TSCA Todos los componentes de este producto están listados o exentos en el Inventario TSCA.

Leyenda

TSCA - Ley de Control de Sustancias Tóxicas de Estados Unidos, Sección 8(b) Inventario

Reglamentaciones Federales

La Sección 313 del Título III de la Ley de Reautorización y Enmiendas de Superfund de 1986 (SARA). Este producto contiene una o varias sustancias químicas sujetas a los requisitos de reporte de la Ley y Título 40 del Código de Regulaciones Federales, Parte 372

Nombre químico	CAS No	% en peso	SARA 313 – Valores umbral %
polvos de los humos, afino de zinc	69012-63-1	1-5	0.1
Cromo (VI)	18540-29-9	< 0.1	0.1

Categorías de Riesgo SARA 311/312

Peligro Agudo para la Salud	Si
Peligro Crónico para la Salud	Si
Peligro de Incendio	No
Escape Brusco de Presión Peligrosa	No
Peligro de Reactivo	No

Ley del Agua Limpia

Este producto contiene las siguientes sustancias contaminantes reguladas conforme a lo dispuesto por la Ley de Agua Limpia (40 CFR 122.21 y 40 CFR 122.42)

Nombre químico	CWA - Cantidades Reportables	CWA - Contaminantes Tóxicos	CWA – Contaminantes de Prioridad	CWA - Sustancias Peligrosas
polvos de los humos, afino de zinc		X		
Cromo (VI)		X		

CERCLA

Este material, tal como se suministra, contiene una o más sustancias reguladas como peligrosas según la Ley de Respuesta Ambiental Integral, Compensación y Responsabilidad Pública (CERCLA) (40 CFR 302)

Nombre químico	Cantidad de reporte para sustancias peligrosas	Cantidad de reporte para sustancias extremadamente peligrosas	Cantidad de reporte (RQ)
Cromo (VI)	10 lb		RQ 10 lb final RQ RQ 4.54 kg final RQ

Reglamentaciones de los Estados

Proposición 65 de California

Este producto contiene las siguientes sustancias químicas de la Proposición 65:

Nombre químico	CAS No	Proposición 65 de California
Sílice cristalina, cuarzo	14808-60-7	Carcinogen
polvos de los humos, afino de zinc	69012-63-1	Carcinogen Developmental

Cromo (VI)	18540-29-9	Carcinogen Developmental Female Reproductive Male Reproductive
Dióxido de titanio	13463-67-7	Carcinogen

Regulaciones de EE.UU. sobre el derecho a saber

Nombre químico	Nueva Jersey	Massachussets	Pensilvania	Illinois	Rhode Island
Sílice cristalina, cuarzo	X	X	X	-	X
Cemento Portland	X	X	X		X
Silico amoria	X	X	X		
Óxido de calcio	X	X	X		X
Óxido de aluminio	X	X	X		X
Sulfato de calcio	X	X	X		
Carbonato de calcio	X	X	X		X
polvos de los humos, afino de zinc			X	X	X

EPA EUA Información de la etiqueta

EPA Número del registro de pesticida No aplicable

16. OTRAS INFORMACIONES

NFPA **Peligro para la salud** 3 **Inflamabilidad** 0 **Inestabilidad** 0 **Peligros físicos y químicos** -

HMIS **Peligro para la salud** 3* **Inflamabilidad** 0 **Peligro físico** 0 **Precauciones individuales** X

**Indica un riesgo crónico para la salud.*

Preparado Por Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Fecha de emisión 25-ene-2016

Fecha de revisión 25-ene-2016

Nota de revisión Primera edición.

Renuncia

La información proporcionada en esta Hoja de Datos de Seguridad es correcta según nuestro leal saber y entender, grado de información y opinión en la fecha de su publicación. La información brindada esta diseñada sólo como guía para la manipulación, uso, procesamiento, almacenamiento, transportación, disposición y distribución seguros del producto y no debe considerarse como garantía o especificación de calidad. Los datos se refieren solamente al material específico designado en ella y puede no ser válida para los materiales usados en combinación con cualquier otro material o proceso, a menos que sea especificado en el texto.

Fin de la HDS

Master Wall Inc.®
Building a Culture of Excellence

PO Box 397
Fortson, GA 31808

800-755-0825

SAFETY DATA SHEET

Issuing Date: 8/1/15 Revision Date: None Revision Number: 0

SECTION 1 – PRODUCT IDENTIFICATION

Product Name: Cemplaster Fiberstucco

Other means of identification
Synonyms: None

Recommended use of the chemical and restrictions on use
Recommended Use: Stucco/Portland Cement Plaster
Uses advised against: No information available

Supplier's details

Supplier Address
Master Wall Inc.®
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency telephone number
Emergency Telephone Number: 1-800-535-5053

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)
Skin Corrosion IB
Eye Damage 1
Skin Sensitizer IB
Specific Target Organ Toxicity Single Exposure 3

Signal Word Danger
Hazard Statements Causes severe skin burns and eye damage
May cause an allergic skin reaction
May cause respiratory irritation

Precautionary Statements

Prevention
Do not breathe dust.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash thoroughly after handling.
Do not handle until all safety precautions have been read and understood.

Response
If inhaled: Remove person to fresh air and keep comfortable for breathing, immediately call a poison center/doctor.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a doctor.
If on skin: Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.
If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center/doctor.

Storage
Store locked up.

Disposal
Dispose of contents/container In accordance with local/state/national regulations
Exposure may aggravate those with pre-existing eye, skin or respiratory conditions or illness.

SECTION 3 – COMPOSOSITION/INFORMATION ON INGREDIENTS

Component/Ingredient	CAS#	Percent Present (Range)
Portland cement	65997-15-1	0-100
Limestone (calcium carbonate)	1317-65-3	0-60
Hydrated lime (calcium magnesium hydroxide)	39445-23-3	0-55
Magnesium oxide	1309-48-4	0-10
Calcium oxide	1305-78-8	30-70
Gypsum (calcium sulfate)	13397-24-5	2-7
Crystalline Silica (Quartz)	14808-60-7	0-< 1

Cemplaster Fiberstucco is made from materials mined from the earth and processed using energy provided by using energy provided by fuels. Additional materials such as fly ash, kiln dust and slag may also be introduced into the stucco during the manufacturing process. A chemical analysis of this product may reveal trace amounts of naturally occurring but potentially harmful chemical compounds such as free crystalline silica, organic compounds, potassium and sodium compounds, heavy metals including cadmium, chromium (including hexavalent chromium), nickel and lead. Other trace constituents may include calcium oxide (also known as free lime or quick lime) and organic compounds from grinding aids such as amine acetate salts, glycols and 1,2-ethanediol.

SECTION 4 – FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact: Rinse eyes under lids cautiously with clean water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Skin Contact: Remove contaminated clothing. Remove dry material from skin, but avoid creating dust. Wash with plenty of water. If skin irritation occurs, get immediate medical advice/attention.

Inhalation: Move to fresh air away from dust and keep comfortable for breathing. If coughing persists, call a physician.

Ingestion: Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting.
Consult a physician. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed
Eye: Causes serious eye irritation and may scratch eye surface due to particle abrasion. May cause chemical burns resulting in corneal damage.

Skin: Causes skin irritation if exposed to moisture on skin creating redness, dryness and itching. Extended exposure to wet material will result in chemical burns to the skin, possibly severe.

Inhalation: May irritate nose and throat if dust is inhaled. Prolonged or repeated inhalation of respirable dust may lead to respiratory tract or lung damage.

Ingestion: May cause irritation and burns of mouth, throat, stomach and digestive tract if swallowed.

Recommendations for Immediate Medical Care or Special Treatment
Seek immediate medical attention for inhalation of large quantities of dust or exposure of wet material over large areas of skin.
Seek immediate medical attention if material comes into contact with eyes and cannot be immediately removed.

SECTION 5 – FIRE FIGHTING MEASURES

General Fire Hazards: None. Material is not considered flammable or combustible.
Extinguishing Media: Firefighters should always wear full protective gear to fight any fire.
Extinguishing Media to Avoid: None.
Hazards of Combustion: None.
Fire Fighting Recommendations: Firefighters should always wear full protective gear to fight any fire.
Refer to Section 9 for flammability information.

SECTION 6 – ACCIDENTIAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions: Avoid creating dust. Prevent material from entering sewers, drains, ditches or waterways.

Personal Protection: Wear respiratory protection and protective eyewear/clothing to avoid eye or skin contact.

Emergency Procedures: Ventilate area and avoid creating dust. Remove unnecessary persons from the area.

Containment Procedures: Barricade solid material to prevent additional spillage.

Methods for Cleaning Up: Pick up and transfer to properly labeled containers while avoiding dust creation. Allow wet material to harden before disposal.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Handling: Avoid contact with skin or eyes. Avoid breathing dust. Use only in well ventilated areas. Wear appropriate personal protective equipment to prevent eye or skin contact and use respiratory protection equipment if dusty or in poorly ventilated areas.

Conditions for safe storage, including any incompatibilities

Storage: Store in well-ventilated areas away from moisture and incompatible materials. If stored in containers, keep containers closed when not in use.

Incompatible Products: Water/moisture exposure will cause material to generate heat. Keep away from fluoride compounds, strong acids and oxidizers. Cement dissolves in hydrofluoric acid, producing corrosive silicon tetraflouride gas.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

Exposure Guidelines **(T= Total Respirable [PNOC/PNOR], R=Respirable fraction, I=inhalable-aerosol)**

Chemical Name	OSHA PEL	ACGIH TLV	NIOSH REL
Portland cement	15 mg/m3 (T); 5 mg/m3 (R)	1 mg/m3 (R	10 mg /m3 (T); 5 mg/m3 (R)
Hydrated lime	15 mg/m3 (T); 5 mg/m3 (R)	5 mg/m3	5 mg/ m3
Magnesium oxide	15 mg/m3	10 mg/m3 (I)	Not established
Calcium oxide	5 mg/m3	2 mg/m3	2 mg/ m3
Gypsum (Calcium Sulfate)	15 mg/m3 (T); 5 mg/m3 (R)	10mg/m3 (T)	10 mg/m3 (T); 5 mg/m3 (R)
Limestone (Calcium Carbonate)	15 mg/m3(T);5mg/m3{R)	10 mg/m3	10 mg/m3 (T); 5 mg/m3 (R)
Crystalline Silica (Quartz)	10 mg/m3 (R}/(% Si02 + 2) 30 mg/m3 (T) /(% Si02 + 2)	0.025 mg/m3 (R)	0.05 mg/m3 (R)

Appropriate engineering controls

Use outdoors in well-ventilated areas; otherwise employ natural or mechanical ventilation to maintain exposure within applicable limits.

Engineering Measures:
Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Safety glasses with side shields or protective goggles should be worn while using this product. For extremely dusty conditions, non vented goggles or goggles with direct venting are recommended. Avoid contact lens wear when using this product.
Skin and Body Protection: Long sleeved clothing. Waterproof boots. Impervious gloves.
Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hands: Protective gloves with wrist/arm cuffs should be worn to avoid direct contact with skin.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State:	Solid, powder.	**Appearance:**	Gray powder.
Odor:	None.	**Odor Threshold:**	No information available.

Property	Values	Remarks/ - Method
pH	>12 (in water)	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	Not determined	None known
Flash Point	None, not flammable	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	N/A	
lower flammability limit	N/A	
Vapor Pressure	N/A	None known
Vapor Density	N/A	None known
Specific Gravity	2.8-3.0	None known
Water Solubility	Negligible (<1%)	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	Not determined	None known
Decomposition Temperature	No data available	None known
Viscosity	N/A.	None known

Flammable Properties: Not flammable

Explosive Properties: No data available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Reacts with water to create heat and calcium hydroxide.
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: None under normal processing.
Hazardous Polymerization: Hazardous polymerization does not occur.
Conditions to avoid: Moisture or wetting will cause exothermic heating as product cures.
Incompatible materials: Avoid contact with strong acids, oxidizers and ammonium salts.
Hazardous decomposition products: Reacts with water to form calcium hydroxide which can irritate/damage skin. Cement dissolves in hydrofluoric acid, producing corrosive silicon tetraflouride gas.

SECTION 11 – TOXOLOGICAL INFORMATION

Product: Blended hydraulic cement
Acute Toxicity: Not classified.
LD50/LC50 Data: Not classified>
Skin Corrosion/irritation: Causes irritation or chemical burns if exposed to moisture on skin.
Critical Eye Damage/Irritation: Causes serious eye injury due to chemical burns or mechanical irritation.
Respiratory or Skin Sensitization: Not reported/no data available.
Germ Cell Mutagenicity: Not reported/no data available.
Teratogenicity: Not reported/no data available.
Carcinogenicity: Material contains trace amounts of crystalline silica, which may cause lung cancer through repeated or prolonged exposure to dust.
Specific Organ Toxicity (Single Exposure): May cause respiratory irritation.
Specific Organ Toxicity (Repeated Exposure): May cause damage/disease to lungs through repeated or prolonged exposure.
Reproductive Toxicity: Not reported/no data available.
Aspiration Respiratory Hazard: Not reported/no data available.
Symptoms: Inhalation: Coughing, sneezing, mucous discharge and dyspnea. Extended contact may lead to chemical burns.
Symptoms: Skin Contact: Redness and itching. Extended contact may lead to chemical burns.
Symptoms: Eye Contact: Redness and itching. Extended contact may lead to corneal abrasion/ulceration.
Symptoms: Ingestion: Irritation and chemical burns of mouth and throat.
Other Toxicological Information: Not reported/no data available.

Components	Toxicity	Carc: IARC	Carc: NTP	Carc: OSHA
Portland cement (also see Section 16)	No data	Not listed	Not listed	Not listed
Hydrated lime	Oral LD5Q Rat 7340 mg/kg	Not listed	Not listed	Not listed
Magnesium oxide	Oral LD50 Rat 810 mg/kg	Not listed	Not listed	Not listed
Calcium oxide	Oral LD50 Rat 500 mg/kg	Not listed	Not listed	Not listed
Gypsum (Calcium Sulfate)	Oral LD50 Rat >2000 mg/kg	Not listed	Not listed	Not listed
Limestone (Calcium carbonate)	Oral LD50 Rat 6450 mg/kg	Not listed	Not listed	Not listed
Crystalline Silica (Quartz) (also see Section 16)	Oral LD50 Rat >22,500 mg/kg LC50 Carp >10,Q00 mg/L (72 hr)	Group 1	Known	Not listed

SECTION 12 – ECOLOGICAL INFORMATION

General Ecotoxicity Not classified.
Persistence and Degradability Not reported/no data available.
Bioaccumulation Potential Not reported/no data available.
Mobility in Soil to Groundwater Not reported/no data available.
Environmental Fate Not reported/no data available.
Other Environmental Precautions or Information Avoid release to the environment. Prevent material from entering sewers, drains, ditches or waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Methods	Dispose as an inert, non-metallic mineral in accordance with applicable federal, state, and local regulations.
Special Considerations	Avoid creating or breathing dust during disposal. Avoid contact with skin and eyes.
Other Disposal information	Prevent material from entering sewers, drains, ditches or waterways.

SECTION 14 – TRANSPORT INFORMATION

Proper Shipping Name	N/A-not regulated.
Hazard Class	N/A-not regulated.
UN Shipping ID Number	N/A-not regulated.
Packing Group	N/A-not regulated.
Environmental/IMDG Codes	N/A-not regulated.

SECTION 15 – REGULATORY INFORMATION

Federal
This product contains one or more chemical components or ingredients that may require identification and/or reporting under SARA Section 302, SARA Section 311/312/313, CERCLA and/or TSCA. An examination of the components of this product should be conducted by a qualified environmental professional to determine if such identification or reporting is required by federal law.

- Components: Portland cement. Silica (Crystalline), Iron oxide

State
This product contains one or more chemical components or ingredients that are included or listed on the hazardous substances lists for one or more of the following states: California, Maine, Minnesota, New Jersey, Pennsylvania and Rhode Island. An examination of the components of this product should be conducted by a qualified environmental or safety and health professional to determine the specific requirements for those states.

- Components; Portland cement. Limestone (calcium carbonate), Gypsum (calcium sulfate), Silica (Crystalline), iron oxide

The state of California requires the following statement (Proposition 65) in regards to this material:

- WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 – OTHER INFORMATION

Additional Information regarding products containing portland cement:
Wet Portland cement can cause caustic burns to unprotected skin, sometimes referred to as cement burns. Cement burns may result in blisters, dead or hardened skin, or black or green skin. In severe cases, these burns may extend to the bone and cause disfiguring scars or disability.

Employees cannot rely on pain or discomfort to alert them to cement burns because cement burns may not cause immediate pain or discomfort. By the time an employee becomes aware of a cement burn, much damage has already been done. Accordingly, the safest method to use portland cement is to avoid contact with exposed skin completely. Cement burns can get worse even after skin contact with cement has ended. Any employee experiencing a cement burn is advised to see a health care professional immediately.

Skin contact with wet portland cement can also cause inflammation of the skin, referred to as dermatitis. Signs and symptoms of dermatitis can include itching, redness^ swelling, blisters, scaling, and other changes in the normal condition of the skin. Contact with wet portland cement can cause a non-allergic form of dermatitis (called irritant contact dermatitis) which is related to the caustic, abrasive, and drying properties of portland cement.

In addition, hexavalent chromium [Cr(Vll) which may be found in portland cement in trace amounts, can cause an allergic form of dermatitis {allergic contact dermatitis, or ACD) in sensitized employees who work with wet portland cement. When an employee is sensitized, that person's immune system overreacts to small amounts of Cr{Vl), which can lead to severe inflammatory reactions upon subsequent exposures. Sensitization may result from a single Cr(VI) exposure, from repeated exposures over the course of months or years, or it may not occur at all. After an employee becomes sensitized, brief skin contact with very small amounts of Cr(VI) can trigger ACD. ACD is long-lasting and employees can remain sensitized to Cr(Vl) years after their exposure to portland cement has ended. Medical tests (e.g. skin patch tests) are available that can confirm whether an employee has become dermally sensitized to Cr(VI).

Employees who work with wet portland cement and experience skin problems, including seemingly minor ones, are advised to see a health care professional for evaluation and treatment. In cement-related dermatitis, early diagnosis and treatment can help prevent chronic skin problems.

Additional information regarding crystalline silica:
The major concern is silicosis, caused by the inhalation and retention of respirable (extremely small) crystalline silica dust particles. Silicosis can exist in several forms. Chronic or ordinary silicosis (often referred to as simple silicosis) Is the most common form of silicosis, and can occur after many years of exposure to relatively low concentrations of airborne respirable crystalline silica dust. Complicated silicosis or progressive massive fibrosis (PMF) may be associated with decreased lung function and may be disabling. Advanced complicated silicosis or PMF may lead to death. Advanced complicated silicosis or PMF can result in heart disease secondary to the lung disease. Acute silicosis can occur with exposures to very high concentrations of respirable crystalline silica over a very short time period, sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss. Acute silicosis can be fatal.

lARC: The overall lARC evaluation was that "crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1)." The lARC evaluation noted that "carcinogenicity was not detected in all industrial circumstances studies. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs."

NTP: The National Toxicology Program (NTP), in its Thirteenth Annual Report on Carcinogens, classified "silica, crystalline (respirable)" as a known human carcinogen.

OSHA; Crystalline silica (quartz) is not regulated as a human carcinogen by the Occupational Safety and Health Administration.

other important information:
While the information provided in this document is believed to provide a useful summary of the hazards of stucco cement, the information in this document cannot anticipate and provide all of the information that might be needed in every situation. Inexperienced product users should obtain proper training before using this product.

The data furnished in this document do not address hazards that may be posed by other materials when mixed with stucco cement. Users should review other relevant safety data sheets before working with this product.

The information presented in the Safety Data Sheet is based on current knowledge and publications and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not be interpreted as guaranteeing any specific property of the product.

Prepared By Master Wall Inc.®
PO Box 397
Fortson, GA 10808
800-755-0824

Revision Date: 07-Jul-2015
Revision Note: No information available.

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Master Wall Inc.
Building a Culture of Excellence
P.O. Box 397 Fortson, GA 31808 800-755-0825 FAX 706-569-0092
masterwall.com

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department Of Labor
Occupational Safety and Health Admin.
(GHS Format)
Form Approved
OMB No. 1218-0072

1. Product and Company Identification

Cemplaster Fiberstucco L **Issue Date: April 1, 2022** **Revision:0**

Manufacturer's Name:

Master Wall Inc.®

Address
6975 Flat Rock Road
Midland, GA 31820

Contact Telephone Numbers
706-569-0092

Emergency Telephone Number:
800-535-5053 Infotrac

2. Composition / Information on Ingredients

Component: Aluminum Silicate

CAS Number: 1335-30-4
Percentage: 50-60

Component: Portland Cement

CAS Number: 65997-15-1
Percentage: 40-50

Component: Synthetic Polymer

3. Hazard Identification

GHS-US classification
Skin corrosion 1A
Serious Eye Damage 1
Skin Sensitization 1
Carcinogenicity 1A
Specific Target Organ Toxicity After Single Exposure 3

GHS-US labelling

Hazard pictograms (GHS-US) :


GHS05


GHS07


GHS08

Signal word (GHS-US) Hazard : Danger

statements (GHS-US) : Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause cancer. May cause

		respiratory irritation.
Prevention statements (GHS-US)	:	Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Do not breathe dusts. Wash hands thoroughly after handling. Wear protective gloves and clothing as well as eye and face protection. Use only outdoors or in a well- ventilated area. Do not eat, drink or smoke when using this product.
Response statements (GHS-US)	:	If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Take off contaminated clothing and wash before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor if ingested or skin / eye irritation persists or worsens. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Storage statements (GHS-US)	:	Store to keep product dry until use.
Disposal statements (GHS-US)	:	Dispose of contents and container in accordance with all local, state, and federal regulations.
Supplemental Information		Read and Follow all precautions listed in the Safety Data Sheet available on request or at: Ashgrove.com. Additional information on the selection and use of respirators can be found in the *NIOSH Respirator Selection Logic* (DHHS [NIOSH] Publication No. 2005-100) and the *NIOSH Guide to Industrial Respiratory Protection* (DHHS [NIOSH] Publication No. 87-116) available at http://www.cdc.gov/niosh/docs/87-116/.
		This product contains LESS than 0.1% crystalline silica. Crystalline silica has been linked to cancer, silicosis, and other lung problems in conditions of prolonged airborne overexposure.
		Keep product dry until use. Avoid contact with bleed water from wet product. Clothing saturated with wet product can result in delayed, serious alkali skin burns.

4. First Aid Measures

Inhalation: Remove to fresh air.

Skin Contact: Remove contaminated clothing, jewelry, and shoes. Wash with soap or mild detergent. Get medical attention, if irritation occurs (redness, rash, blistering).

Eye Contact: Wash eyes immediately with copious amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head lower than hips to help prevent aspiration. If victim is fully conscious give one or two cups of water or milk to drink. Get medical attention, if needed.

5. Fire and Explosion Hazards

Fire and Explosion Hazards: Non-Flammable

Extinguishing Media: N/A

Flash Point: Not Applicable

6. Accidental Release Measures

Industrial Release:

Collect spilled material in appropriate container for disposal.

7. Handling and Storage

Store and handle in accordance with all current regulations and standards. See original container for storage recommendations. Use methods to minimize dust.

8. Exposure Controls, Personal Protection

Exposure Limits:

Aluminum Silicate: No occupational exposure limits established by OSHA, ACGIN, or NIOSH.

Portland Cement:

5 mg/m3 OSHA TWA (respirable particulate)
10 mg/m3 OSHA TWA (total particulate)
10 mg/m3 ACGIH TWA (total particulate) (no asbestos and <1% crystalline silica)
5 mg/m3 NIOSH recommended TWA 10 hour(s) (respirable particulate)
10 mg/m3 NIOSH recommended TWA 10 hour(s) (total particulate)

Ventilation: Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

Eye Protection: Wear splash resistant safety goggles. Provide an emergency eye wash fountain in the immediate work area.

Clothing: Special clothing not required.

Gloves: Special gloves not required.

Respirator: Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory equipment must be certified by NIOSH/MSHA.

9. Physical and Chemical Properties

Color: Gray

Physical Form: Powder

Odor: Slight non-offensive odor

pH: 9-10

Boiling Point: No data available

Flammability: Not applicable

Flash Point: Not applicable

Melting Point: Not Applicable

Explosive Properties: None

Freezing Point: Not applicable

Oxidation: Not applicable

Specific Gravity: 2.87

Water Solubility: 0.15 – 1.0

10. Reactivity Data

Reactivity: Stable at normal temperatures and pressure.

Polymerization: Will not polymerize.

11. Toxicological Information

HessLite Lightweight Blended Materials:

Carcinogen Status: None

Acute Toxicity Level: No data available

Aluminum Silicate:

Carcinogen Status: None

Acute Toxicity Level: No data available

Target Organs: No data available

Portland Cement:

Carcinogen Status: None

Local Effects: Irritant – skin, eye

Medical Conditions Aggravated by Exposure: Pre-existing upper respiratory conditions

12. Disposal Considerations

Dispose in accordance with all applicable regulations. Dispose in accordance with all applicable regulations.

13. Transport Information

No classification currently assigned.

14. Regulatory Information

U.S. Regulations - TSCA Inventory Status:

TSCA 12(b) EXPORT NOTIFICATION:	Not listed
CERCLA, SECTION 103 (40CFR302.4):	N
SARA SECTION 302 (40CFR355.30):	N
SARA SECTION 304 (40CFR355.40):	N
SARA SECTION 313 (40CFR372.65):	N

SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CPR370-21):

ACUTE:	Y
CHRONIC:	N
FIRE:	N
REACTIVE:	N
SUDDEN RELEASE	N

OSHA PROCESS SAFETY (29CFR1910.119): N

STATE REGULATIONS:

CALIFORNIA PROPOSITION 65: N

--- End of Document ---

SAFETY DATA SHEET

Issuing Date 24-May-2019 **Revision Date** 24-May-2019 **Revision Number** 1

1. Identification

Product identifier

Product Name UltraBond Veneer Mortar Adhesive

Other means of identification

Synonyms UltraBond VMA

Recommended use of the chemical and restrictions on use

Recommended use Dry Mix Adhesive Mortar

Restrictions on use No information available.

Details of the supplier of the safety data sheet

Supplier Address
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
706-569-0092

Emergency telephone number

Emergency Telephone 24-hour Emergency Phone: Infotrac 1-800-535-5053

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Reproductive toxicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1

Hazards not otherwise classified (HNOC)
Not applicable

Label elements

Danger

Hazard statements
Harmful if swallowed
Causes severe skin burns and eye damage
May cause an allergic skin reaction

May cause cancer
May damage fertility or the unborn child
May cause respiratory irritation
Causes damage to organs through prolonged or repeated exposure

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Contaminated work clothing must not be allowed out of the workplace
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Precautionary Statements - Response
Immediately call a POISON CENTER or doctor
Specific treatment (see supplemental first aid instructions on this label)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
Wash contaminated clothing before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Immediately call a POISON CENTER or doctor
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
Rinse mouth
Do NOT induce vomiting

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other information
Harmful to aquatic life with long lasting effects
Harmful to aquatic life

Unknown acute toxicity 95.84489 % of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Synonyms UltraBond VMA

Chemical name	CAS No	Weight-%	Trade secret

Quartz	14808-60-7	45-55	*
Portland cement	65997-15-1	35-45	*
Limestone	1317-65-3	5-10	*
Calcium sulfate	7778-18-9	1-5	*
Flue dust, zinc-refining	69012-63-1	1-5	*
Calcium hydroxide	1305-62-0	<1	*
Chromium (VI)	18540-29-9	<1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. IF exposed or concerned: Get medical advice/attention.

Inhalation Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical advice/attention.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention. May cause an allergic skin reaction.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

Self-protection of the first aider Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms Burning sensation. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Note to physicians Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. May cause sensitization in susceptible persons. Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media None known based on information supplied.

Specific hazards arising from the chemical The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. Product is or contains a sensitizer. May cause sensitization by skin contact.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2). Oxides of sulfur. Metal oxides.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other information Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Clean up material with vacuum equipped with HEPA filter.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. May cause serious burns to the skin and eyes in the presence of moisture. Avoid contact with skin, eyes or clothing. Use personal protection equipment. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid breathing vapors or mists.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Protect from moisture. Store locked up. Store away from other materials.

8. Exposure controls/personal protection

Control parameters

Exposure Limits .

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Quartz 14808-60-7	TWA: 0.025 mg/m³ respirable particulate matter	TWA: 50 µg/m³ (vacated) TWA: 0.1 mg/m³ respirable dust : (250)/(%SiO2 + 5) mppcf TWA respirable fraction : (10)/(%SiO2 + 2) mg/m ³ TWA respirable fraction	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Portland cement 65997-15-1	TWA: 1 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction TWA: 50 mppcf <1% Crystalline silica	IDLH: 5000 mg/m³ TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Limestone 1317-65-3	No data available	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Calcium sulfate 7778-18-9	TWA: 10 mg/m³ inhalable particulate matter	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Flue dust, zinc-refining 69012-63-1	TWA: 0.05 mg/m³ Pb TWA: 0.01 mg/m³ Cd TWA: 0.002 mg/m³ Cd respirable particulate matter	TWA: 50 µg/m³ Pb	IDLH: 9 mg/m³ Cd dust and fume IDLH: 100 mg/m³ Pb TWA: 0.050 mg/m³ Pb
Calcium hydroxide 1305-62-0	TWA: 5 mg/m³	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 5 mg/m³ not in effect as a result of reconsideration	TWA: 5 mg/m³
Chromium (VI) 18540-29-9	No data available	TWA: 5 µg/m³	TWA: 0.0002 mg/m³ Cr

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Face protection shield.

Hand protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Gray, powder
Physical state	Solid
Color	Gray
Odor	None
Odor threshold	No data available

Property	**Values**	**Remarks • Method**
pH	10 - 13	in water
Melting point / freezing point	No data available	None known
Boiling point / boiling range	> 100 °C / > 212 °F	
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	>1	
Water solubility	Miscible in water	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Other information

Explosive properties	No information available.
Oxidizing properties	No information available.
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
VOC	<50 g/L
Liquid Density	No information available
Bulk density	No information available

10. Stability and reactivity

Reactivity None under normal use conditions.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Exposure to air or moisture over prolonged periods. Incompatible materials.

Incompatible materials Acids. Strong oxidizing agents.

Hazardous decomposition products None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information .

Inhalation Specific test data for the substance or mixture is not available. Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes burns. (based on components). Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage. May cause irreversible damage to eyes.

Skin contact Specific test data for the substance or mixture is not available. Corrosive. (based on components). Causes burns. May cause serious burns in the presence of moisture. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Ingestion Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness. Coughing and/ or wheezing. Itching. Rashes. Hives.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 912.30 mg/kg

Unknown acute toxicity 95.84489 % of the mixture consists of ingredient(s) of unknown toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium sulfate 7778-18-9	> 3000 mg/kg (Rat)	-	-
Calcium hydroxide 1305-62-0	= 7340 mg/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes burns.

Serious eye damage/eye irritation Classification based on data available for ingredients. Risk of serious damage to eyes. Causes burns.

Respiratory or skin sensitization Classification based on data available for ingredients. May cause sensitization by skin

contact.

Germ cell mutagenicity No information available.

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Quartz 14808-60-7	A2	Group 1	Known	X
Flue dust, zinc-refining 69012-63-1	A3 A2	Group 2A Group 1	Known Reasonably Anticipated	X
Chromium (VI) 18540-29-9	-	Group 1	Known	X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2A - Probably Carcinogenic to Humans
NTP (National Toxicology Program)
Known - Known Carcinogen
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Reproductive toxicity Classification based on data available for ingredients. May damage fertility or the unborn child.

STOT - single exposure May cause respiratory irritation.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure.

Target organ effects Kidney, Respiratory system, Eyes, Skin, blood, Lungs, Prostate.

Aspiration hazard No information available.

Other adverse effects No information available.

Interactive effects No information available.

12. Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Calcium sulfate 7778-18-9	-	LC50: >1970mg/L (96h, Pimephales promelas) LC50: =2980mg/L (96h, Lepomis macrochirus)	-	EC50: =3200mg/L (120h, Nitscheria linearis)
Calcium hydroxide 1305-62-0	-	LC50: =160mg/L (96h, Gambusia affinis)	-	-
Chromium (VI) 18540-29-9	-	LC50: =7.6mg/L (96h, Oncorhynchus mykiss) LC50: =36.2mg/L (96h, Pimephales promelas)	-	EC50: =435µg/L (24h, water flea)

Persistence and degradability No information available.

Bioaccumulation There is no data for this product.

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

RCRA (Resource Conservation and Recovery Act) waste information

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Chromium (VI) 18540-29-9	-	Included in waste streams: F006, F019, K002, K003, K004, K005, K006, K007, K008, K048, K049, K050, K051, K061, K062, K069, K086, K100	-	-

Chemical name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Chromium (VI) 18540-29-9	-	-	Toxic waste waste number F019 Waste description: Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process. Wastewater treatment sludges from the manufacturing of motor vehicles using a zinc phosphating process will not be subject to this listing at the point of generation if the wastes are not placed outside on the land prior to shipment to a landfill for disposal and are either: disposed in a Subtitle D municipal or industrial landfill unit that is equipped with a single clay liner and is permitted, licensed or otherwise authorized by	Toxic waste waste number K050 Waste description: Heat exchanger bundle cleaning sludge from the petroleum refining industry.

			the state or disposed in a landfill unit subject to, or otherwise meeting, the landfill requirements in §258.40, § 264.301 or § 265.301. For the purposes of this listing, motor vehicle manufacturing is defined in paragraph (b)(4)(i) of this section and (b)(4)(ii) of this section describes the recordkeeping requirements for motor vehicle manufacturing facilities.	

California Hazardous Waste Status This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste Status
Flue dust, zinc-refining 69012-63-1	Toxic
Calcium hydroxide 1305-62-0	Corrosive
Chromium (VI) 18540-29-9	Toxic Corrosive Ignitable

14. Transport information

DOT Not regulated

TDG Not regulated

MEX Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory information

International Inventories

TSCA Contact supplier for inventory compliance status.

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 - Threshold Values %
Flue dust, zinc-refining - 69012-63-1	0.1 1.0
Chromium (VI) - 18540-29-9	0.1

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Flue dust, zinc-refining 69012-63-1	-	X	-	-
Chromium (VI) 18540-29-9	-	X	-	-

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Chromium (VI) 18540-29-9	10 lb	-

US State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
Quartz - 14808-60-7	Carcinogen
Flue dust, zinc-refining - 69012-63-1	Carcinogen
Chromium (VI) - 18540-29-9	Carcinogen Developmental Female Reproductive Male Reproductive
Titanium dioxide - 13463-67-7	Carcinogen
Silicon dioxide - 7631-86-9	Carcinogen

U.S. State Right-to-Know Regulations

US State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Quartz 14808-60-7	X	X	X
Portland cement 65997-15-1	X	X	X
Limestone 1317-65-3	X	X	X
Calcium sulfate 7778-18-9	X	X	X
Flue dust, zinc-refining 69012-63-1	X	-	X
Calcium oxide 1305-78-8	X	X	X
Chromium (VI) 18540-29-9	X	-	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA	**Health hazards** 3	**Flammability** 0	**Instability** 0	**Physical and chemical properties** -
HMIS	**Health hazards** 3*	**Flammability** 0	**Physical hazards** 0	**Personal protection** X

Chronic Hazard Star Legend ** = Chronic Health Hazard*

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Prepared By
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
706-569-0092

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

LA HOJA DE DATOS DE SEGURIDAD

Fecha de emisión 24-may-2019 **Fecha de revisión** 24-may-2019 **Número de revisión** 1

SECCIÓN 1. Identificación de la sustancia química peligrosa o mezcla y del proveedor o fabricante:

Identificador del producto

Nombre del producto UltraBond Veneer Mortar Adhesive

Otros medios de identificación

Sinónimos UltraBond VMA

Uso recomendado de la sustancia y restricciones de uso

Uso recomendado Mortero adhesivo de mezcla seca

Restricciones de uso No hay información disponible.

Datos del proveedor o fabricante

Dirección del proveedor
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
706-569-0092

Número de teléfono en caso de emergencia

Teléfono de emergencia Teléfono de emergencia las 24 horas: Infotrac 1-800-535-5053

SECCIÓN 2. Identificación de los peligros:

Clasificación

La Norma de Comunicación de Riesgos de OSHA de 2012 (29 CFR 1910.1200) considera peligrosa esta sustancia química

Toxicidad aguda por vía oral	Categoría 4
Corrosión/irritación cutánea	Categoría 1
Lesiones oculares graves/irritación ocular	Categoría 1
Sensibilización cutánea	Categoría 1
Carcinogenicidad	Categoría 1A
Toxicidad para la reproducción	Categoría 1A
Toxicidad específica de órganos blanco (exposición única)	Categoría 3
Toxicidad específica de órganos blanco (exposiciones repetidas)	Categoría 1

Peligros no clasificados en otra parte (Peligros n.e.p.)
No aplicable

Elementos de la etiqueta del SGA

Peligro

Indicaciones de peligro
Nocivo en caso de ingestión

Provoca graves quemaduras en la piel y lesiones oculares
Puede provocar una reacción cutánea alérgica
Puede provocar cáncer
Puede perjudicar la fertilidad o dañar al feto
Puede irritar las vías respiratorias
Provoca daños en los órganos tras exposiciones prolongadas o repetidas

Consejos de prudencia - Prevención
Procurarse las instrucciones antes del uso
No manipular antes de haber leído y comprendido todas las precauciones de seguridad
Usar guantes / ropa de protección / equipo de protección para la cara / los ojos
Lavarse la cara, las manos y la piel cuidadosamente después de la manipulación
No comer, beber o fumar mientras se manipula este producto
La ropa de trabajo contaminada no debe salir del lugar de trabajo
No respirar polvos / humos / gases / nieblas / vapores / aerosoles
Utilizar sólo al aire libre o en un lugar bien ventilado

Consejos de prudencia - Respuesta
Llamar inmediatamente a un centro de toxicología o médico
Tratamiento específico (véanse las instrucciones adicionales de primeros auxilios en esta etiqueta)
En caso de contacto con los ojos: Enjuagar con agua cuidadosamente durante varios minutos. Quitar los lentes de contacto, cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado
Llamar inmediatamente a un centro de toxicología o médico
En caso de contacto con la piel (o el pelo), quitar inmediatamente toda la ropa contaminada. Enjuagar la piel con agua o ducharse
Lavar la ropa contaminada antes de volverla a usar
En caso de irritación cutánea o sarpullido, consultar a un médico
En caso de inhalación, transportar la persona al aire libre y mantenerla en una posición que le facilite la respiración
Llamar inmediatamente a un centro de toxicología o médico
En caso de ingestión, llamar a un centro de toxicología o médico si la persona se encuentra mal
Enjuagarse la boca
No provocar el vómito

Consejos de prudencia - Almacenamiento
Guardar bajo llave
Almacenar en un lugar bien ventilado. Mantener el recipiente herméticamente cerrado

Consejos de prudencia - Eliminación
Eliminar el contenido/el recipientes en una planta de tratamiento de residuos aprobada

Otras informaciones
Nocivo para los organismos acuáticos, con efectos nocivos duraderos
Nocivo para los organismos acuáticos

Toxicidad aguda desconocida El 95.84489% de la mezcla consiste en uno o varios componentes de toxicidad desconocida

SECCIÓN 3. Composición/información sobre los componentes:

Sustancia

No aplicable.

Mezcla

Sinónimos UltraBond VMA

Nombre de la sustancia	Número CAS	% en peso	Secreto comercial
Cuarzo	14808-60-7	45-55	*
Cemento portland	65997-15-1	35-45	*
Carbonato de calcio	1317-65-3	5-10	*
Sulfato de calcio	7778-18-9	1-5	*
Polvo de combustión, refinado de zinc	69012-63-1	1-5	*
Hidróxido de calcio	1305-62-0	<1	*
Cromo (VI)	18540-29-9	<1	*

*El porcentaje exacto (concentración) de la composición se mantiene como secreto comercial.

SECCIÓN 4. Primeros auxilios:

Descripción de los primeros auxilios

Consejo general Mostrar esta ficha de datos de seguridad al médico tratante. Se requiere atención médica inmediata. En caso de exposición demostrada o supuesta, consultar a un médico.

Inhalación Trasladar al aire libre. Si la persona ha dejado de respirar, proporcionar respiración artificial. Consultar inmediatamente a un médico. No usar el método de respiración boca a boca si la víctima ingirió o inhaló la sustancia - proporcionar la respiración artificial con la ayuda de una máscara de bolsillo con una válvula de una sola vía u otro dispositivo médico de respiración. Si le respira con dificultad, (el personal capacitado debe) administrar oxígeno. Puede ocurrir un edema pulmonar retardado. Buscar asistencia médica inmediata.

Contacto con los ojos Enjuagar inmediatamente con abundante agua, incluyendo debajo de los párpados, durante un mínimo de 15 minutos. Mantener los ojos bien abiertos durante el enjuague. No frotar el lugar afectado. Quitar los lentes de contacto, cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado. Buscar asistencia médica inmediata.

Contacto con la piel Lavar inmediatamente mediante con abundante agua y jabón, y quítese toda la ropa y calzado contaminados. Buscar asistencia médica inmediata. Puede provocar una reacción cutánea alérgica.

Ingestión No provocar el vómito. Lavarse la boca con agua y luego beber abundante agua. No administrar nada por la boca a una persona inconsciente. Buscar asistencia médica inmediata.

Medidas de protección para el personal que dispensa los primeros auxilios Garantizar que el personal médico tiene conocimiento de el(los) material(es) involucrados, tomar precauciones también para su protección así como para evitar la dispersión de la contaminación. Evitar el contacto con la piel, los ojos o la ropa. Evitar el contacto directo con la piel. Usar un dispositivo de barrera para practicar la respiración boca a boca. Utilizar ropa de protección personal (ver la Sección 8).

Principales síntomas y efectos, agudos y retardados

Síntomas Sensación de ardor. Picazón. Erupciones. Urticaria.

Indicación de la necesidad de recibir atención médica inmediata y, en su caso, de tratamiento especial

Información para el médico El producto es un material corrosivo. Está contraindicado el uso de lavado gástrico o vómito. Se debe investigar la posible perforación del estómago o del esófago. No administrar antídotos químicos. Puede ocurrir asfixia por edema de glotis. Se puede presentar un descenso marcado de la presión arterial con estertores húmedos, esputo espumoso y presión elevada del pulso. Puede causar sensibilización en personas sensibles. Aplicar un tratamiento sintomático.

SECCIÓN 5. Medidas contra incendios:

Medios adecuados de extinción Utilizar medidas de extinción adecuadas para las circunstancias locales y el medio ambiente.

Medios de extinción no apropiados No se conocen de acuerdo con la información suministrada.

Peligros específicos del producto químico El producto causa quemaduras en los ojos, la piel y las membranas mucosas. La descomposición térmica puede provocar la liberación de gases y vapores irritantes. El producto es o contiene un sensibilizante. Posibilidad de sensibilización en contacto con la piel.

Productos peligrosos de la combustión Monóxido de carbono. Dióxido de carbono (CO2). Óxidos de azufre. Metal oxides.

Datos de explosión

Sensibilidad al impacto mecánico Ninguno(a).

Sensibilidad a las descargas estáticas Ninguno(a).

Equipo de protección especial para el personal de lucha contra incendios El personal de lucha contra incendios debe usar aparato de respiración autónomo y traje completo de protección contra el fuego. Utilizar equipo de protección personal.

SECCIÓN 6. Medidas que deben tomarse en caso de derrame accidental o fuga accidental:

Precauciones personales, equipos de protección y procedimientos de emergencia

Precauciones personales ¡Atención! material corrosivo. Evitar el contacto con la piel, los ojos o la ropa. Garantizar una ventilación adecuada. Utilizar un equipo de protección individual según corresponda. Evacuar al personal hacia áreas seguras. Mantener a las personas alejadas y contra el viento en caso de derrames o fugas.

Otras informaciones Consultar las medidas de protección listadas en las Secciones 7 y 8.

Métodos y materiales para la contención y limpieza de derrames o fugas

Métodos de contención Evitar fugas o derrames adicionales si no hay peligro en hacerlo.

Métodos de limpieza Limpiar material con aspiradora equipado con filtro HEPA.

SECCIÓN 7. Manejo y almacenamiento:

Precauciones que se deben tomar para garantizar un manejo seguro

Recomendaciones para la manipulación segura Manipular de acuerdo con las buenas prácticas de higiene y seguridad industrial. Puede causar quemaduras graves en la piel y los ojos en presencia de humedad. Evitar el contacto con la piel, los ojos o la ropa. Utilizar equipo de protección personal. En caso de ventilación insuficiente, úsese equipo respiratorio adecuado. Manipular el producto solamente en sistema cerrado o donde exista un sistema adecuado de ventilación por extracción. No comer, beber o fumar mientras se manipula este producto. Quitar la ropa contaminada y lavarla antes de volverla a usar. Evitar respirar vapores o nieblas.

Condiciones de almacenamiento seguro, incluida cualquier incompatibilidad

Condiciones de almacenamiento Mantener los recipientes herméticamente cerrados en un lugar seco, fresco y bien ventilado. Manténgase fuera del alcance de los niños. Proteger de la humedad. Guardar bajo llave. Almacenar separadamente.

SECCIÓN 8. Controles de exposición/protección personal:

Parámetros de control

Límites de exposición .

Nombre de la sustancia	ACGIH TLV	OSHA PEL	NIOSH IDLH
Cuarzo 14808-60-7	TWA: 0.025 mg/m³ respirable particulate matter	TWA: 50 µg/m³ (vacated) TWA: 0.1 mg/m³ respirable dust : (250)/(%SiO2 + 5) mppcf TWA respirable fraction : (10)/(%SiO2 + 2) mg/m ³ TWA respirable fraction	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Cemento portland 65997-15-1	TWA: 1 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction TWA: 50 mppcf <1% Crystalline silica	IDLH: 5000 mg/m³ TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Carbonato de calcio 1317-65-3	No hay datos disponibles	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Sulfato de calcio 7778-18-9	TWA: 10 mg/m³ inhalable particulate matter	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Polvo de combustión, refinado de zinc 69012-63-1	TWA: 0.05 mg/m³ Pb TWA: 0.01 mg/m³ Cd TWA: 0.002 mg/m³ Cd respirable particulate matter	TWA: 50 µg/m³ Pb	IDLH: 9 mg/m³ Cd dust and fume IDLH: 100 mg/m³ Pb TWA: 0.050 mg/m³ Pb
Hidróxido de calcio 1305-62-0	TWA: 5 mg/m³	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 5 mg/m³ not in effect as a result of reconsideration	TWA: 5 mg/m³
Cromo (VI) 18540-29-9	No hay datos disponibles	TWA: 5 µg/m³	TWA: 0.0002 mg/m³ Cr

Controles técnicos apropiados

Controles de ingeniería Duchas

Estaciones lavaojos
Sistemas de ventilación.

Medidas de protección individual, tales como equipos de protección personal

Protección de los ojos/la cara Utilizar lentes o gafas de seguridad con protección lateral. Careta de protección.

Protección de las manos Úsense guantes adecuados. Guantes impermeable.

Protección de la piel y el cuerpo Úsese indumentaria protectora adecuada. Ropa de mangas largas. Delantal resistente a las sustancias químicas.

Protección respiratoria No es necesario equipo de protección en condiciones normales de uso. Si se exceden los límites de exposición o se presenta irritación, puede requerirse ventilación y evacuación.

Consideraciones generales sobre higiene Evitar el contacto con la piel, los ojos o la ropa. Úsense guantes adecuados y protección para los ojos/la cara. No comer, beber o fumar mientras se manipula este producto. Quitar y lavar la ropa y los guantes contaminados, incluso el interior, antes de volver a usar. La ropa de trabajo contaminada no debe salir del lugar de trabajo. Se recomienda la limpieza periódica de equipos, área y ropa de trabajo. Lavar las manos antes de los recesos e inmediatamente después de manipular el producto.

SECCIÓN 9. Propiedades físicas y químicas:

Información sobre propiedades físicas y químicas básicas

Aspecto	Gris, polvo
Estado físico	Sólido
Color	Gris
Olor	Ninguno(a)
Umbral olfativo	No hay datos disponibles

Propiedad	**Valores**	**Observaciones • Método**
pH	10 - 13	en agua
Punto de fusión / punto de congelación	No hay datos disponibles	No se conocen
Punto de ebullición y rango de ebullición	> 100 °C / > 212 °F	
Punto de inflamación	No hay datos disponibles	No se conocen
Tasa de evaporación	No hay datos disponibles	No se conocen
Inflamabilidad (sólido, gas)	No hay datos disponibles	No se conocen
Límite de inflamabilidad en el aire		No se conocen
Límite superior de inflamabilidad o de explosividad	No hay datos disponibles	
Límite inferior de inflamabilidad o de explosividad	No hay datos disponibles	
Presión de vapor	No hay datos disponibles	No se conocen
Densidad de vapor	No hay datos disponibles	No se conocen
Densidad relativa	>1	
Solubilidad en agua	Miscible en agua	
Solubilidad(es)	No hay datos disponibles	No se conocen
Coeficiente de reparto	No hay datos disponibles	No se conocen
Temperatura de autoinflamación	No hay datos disponibles	No se conocen
Temperatura de descomposición	No hay datos disponibles	No se conocen
Viscosidad cinemática	No hay datos disponibles	No se conocen
Viscosidad dinámica	No hay datos disponibles	No se conocen

Otras informaciones

Propiedades explosivas	No hay información disponible.
Propiedades comburentes	No hay información disponible.

Punto de reblandecimiento	No hay información disponible
Peso molecular	No hay información disponible
Contenido de COV (%)	No hay información disponible
VOC	<50 g/L
Densidad del líquido	No hay información disponible
Densidad aparente	No hay información disponible

SECCIÓN 10. Estabilidad y reactividad:

Reactividad Ninguna bajo condiciones normales de uso.

Estabilidad química Estable en condiciones normales.

Posibilidad de reacciones peligrosas Ninguno durante el procesado normal.

Condiciones que deben evitarse Exposición al aire o a la humedad durante períodos prolongados. Materiales incompatibles.

Materiales incompatibles Ácidos. Agentes oxidantes fuertes.

Productos de descomposición peligrosos No se conocen de acuerdo con la información suministrada.

SECCIÓN 11. Información toxicológica:

Información sobre posibles vías de exposición

Información del producto .

Inhalación No existen datos específicos sobre ensayos con la sustancia o mezcla. Corrosivo por inhalación. (basada en componentes). La inhalación de vapores o gases corrosivos puede causar tos, asfixia, cefalea, mareo y debilidad durante varias horas. Puede ocurrir edema pulmonar con opresión en el pecho, falta de respiración, piel azulada, disminución de la presión arterial e incremento del ritmo cardiaco. La inhalación de sustancias corrosivas puede provocar un edema pulmonar tóxico. El edema pulmonar puede ser mortal. Puede causar irritación en las vías respiratorias.

Contacto con los ojos May cause burns in the presence of moisture. No existen datos específicos sobre ensayos con la sustancia o mezcla. Provoca quemaduras. (basada en componentes). Corrosivo para los ojos y puede provocar daños severos, incluyendo ceguera. Provoca lesiones oculares graves. Puede causar daño ocular irreversible.

Contacto con la piel No existen datos específicos sobre ensayos con la sustancia o mezcla. Corrosivo. (basada en componentes). Provoca quemaduras. Puede causar quemaduras graves en presencia de humedad. Posibilidad de sensibilización en contacto con la piel. El contacto repetido o prolongado con la piel puede causar reacciones alérgicas en personas sensibles.

Ingestión No existen datos específicos sobre ensayos con la sustancia o mezcla. Provoca quemaduras. (basada en componentes). La ingestión causa quemaduras en el tracto digestivo superior y en las vías respiratorias. Puede causar dolor urente severo en la boca y el estómago así como vómitos y diarrea con sangre oscura. La presión arterial puede disminuir. Se pueden presentar manchas de color marrón o amarillento alrededor de la boca. La inflamación de la garganta puede causar dificultad respiratoria y asfixia. Puede causar daño pulmonar si se ingiere. Puede ser mortal en caso de ingestión y de penetración en las vías respiratorias.

Síntomas relacionados con las características físicas, químicas y toxicológicas

Síntomas Enrojecimiento. Ardor. Puede causar ceguera. Tos y/o sibilancia. Picazón. Erupciones. Urticaria.

Toxicidad aguda

Medidas numéricas de toxicidad

Los siguientes valores se calculan en función del capítulo 3.1 del documento del SGA .

Estimación de toxicidad aguda de la mezcla (ETAmezcla) (oral) 912.30 mg/kg

Toxicidad aguda desconocida El 95.84489% de la mezcla consiste en uno o varios componentes de toxicidad desconocida

Información sobre los componentes

Nombre de la sustancia	DL50, oral	DL50, dérmica -	CL50, inhalación
Sulfato de calcio 7778-18-9	> 3000 mg/kg (Rat)	-	-
Hidróxido de calcio 1305-62-0	= 7340 mg/kg (Rat)	-	-

Efectos retardados e inmediatos, así como efectos crónicos producidos por una exposición a corto y largo plazo

Corrosión/irritación cutánea Clasificación basada en los datos disponibles para los componentes. Provoca quemaduras.

Lesiones oculares graves/irritación ocular Clasificación basada en los datos disponibles para los componentes. Riesgo de lesiones oculares graves. Provoca quemaduras.

Sensibilización respiratoria o cutánea Clasificación basada en los datos disponibles para los componentes. Posibilidad de sensibilización en contacto con la piel.

Mutagenicidad en células germinales No hay información disponible.

Carcinogenicidad Contiene una sustancia conocida o sospechosa de ser carcinógena. Clasificación basada en los datos disponibles para los componentes. Puede provocar cáncer.

La tabla más abajo indica los ingredientes listados por cada agencia como carcinógenos.

Nombre de la sustancia	ACGIH	IARC	NTP	OSHA
Cuarzo 14808-60-7	A2	Group 1	Known	X
Polvo de combustión, refinado de zinc 69012-63-1	A3 A2	Group 2A Group 1	Known Reasonably Anticipated	X
Cromo (VI) 18540-29-9	-	Group 1	Known	X

Leyenda

ACGIH (Conferencia Americana de Higienistas Industriales Gubernamentales)
A2 - Carcinógeno humano sospechoso
A3 - Carcinógeno animal
IARC (Agencia Internacional para la Investigación del Cáncer)
Grupo 1 - Carcinógeno para los humanos
Grupo 2A - Probablemente carcinógeno para los humanos
NTP (Programa Nacional de Toxicología)
Conocido - Carcinógeno confirmado
Razonablemente anticipado - Se ha anticipado razonablemente que es un carcinógeno humano
OSHA (Administración de Seguridad y Salud Ocupacional del Departamento del Trabajo de los EE.UU.)
X - Presente

Toxicidad para la reproducción Clasificación basada en los datos disponibles para los componentes. Puede perjudicar la fertilidad o dañar al feto.

STOT - exposición única Puede irritar las vías respiratorias.

STOT - exposición repetida Provoca daños en los órganos tras exposiciones prolongadas o repetidas.

Efectos sobre los órganos diana Riñones, Sistema respiratorio, Ojos, Piel, sangre, Pulmones, Próstata.

Peligro de aspiración No hay información disponible.

Otros efectos adversos No hay información disponible.

Efectos interactivos No hay información disponible.

SECCIÓN 12. Información ecotoxicológica:

Ecotoxicidad Nocivo para los organismos acuáticos, con efectos nocivos duraderos.

Nombre de la sustancia	Algas/plantas acuáticas	Peces	Toxicidad para los microorganismos	Crustáceos
Sulfato de calcio 7778-18-9	-	LC50: >1970mg/L (96h, Pimephales promelas) LC50: =2980mg/L (96h, Lepomis macrochirus)	-	EC50: =3200mg/L (120h, Nitscheria linearis)
Hidróxido de calcio 1305-62-0	-	LC50: =160mg/L (96h, Gambusia affinis)	-	-
Cromo (VI) 18540-29-9	-	LC50: =7.6mg/L (96h, Oncorhynchus mykiss) LC50: =36.2mg/L (96h, Pimephales promelas)	-	EC50: =435µg/L (24h, water flea)

Persistencia y degradabilidad No hay información disponible.

Bioacumulación No existen datos sobre este producto.

Otros efectos adversos No hay información disponible.

SECCIÓN 13. Información relativa a la eliminación de los productos:

Métodos de eliminación

Residuos de desechos o productos no utilizados Eliminar en conformidad con las reglamentaciones locales. Eliminar los residuos de acuerdo con la legislación ambiental.

Embalaje contaminado No volver a usar los recipientes vacíos.

Información sobre residuos de RCRA (Resource Conservation and Recovery Act (Ley de Conservación y Recuperación de Recursos))

Nombre de la sustancia	RCRA	RCRA - Fundamentos del listado	RCRA - Residuos de serie D	RCRA - Residuos de serie U
Cromo (VI) 18540-29-9	-	Included in waste streams: F006, F019, K002, K003, K004, K005, K006, K007, K008, K048, K049, K050, K051, K061, K062, K069, K086, K100	-	-

Nombre de la sustancia	RCRA - Compuestos	RCRA - Residuos de	RCRA - Residuos de	RCRA - Residuos de

	orgánicos hologenados	serie P	serie F	serie K
Cromo (VI) 18540-29-9	-	-	Toxic waste waste number F019 Waste description: Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process. Wastewater treatment sludges from the manufacturing of motor vehicles using a zinc phosphating process will not be subject to this listing at the point of generation if the wastes are not placed outside on the land prior to shipment to a landfill for disposal and are either: disposed in a Subtitle D municipal or industrial landfill unit that is equipped with a single clay liner and is permitted, licensed or otherwise authorized by the state or disposed in a landfill unit subject to, or otherwise meeting, the landfill requirements in §258.40, § 264.301 or § 265.301. For the purposes of this listing, motor vehicle manufacturing is defined in paragraph (b)(4)(i) of this section and (b)(4)(ii) of this section describes the recordkeeping requirements for motor vehicle manufacturing facilities.	Toxic waste waste number K050 Waste description: Heat exchanger bundle cleaning sludge from the petroleum refining industry.

Condición de residuo peligroso de California Este producto contiene una o más sustancias listadas por el Estado de California como residuos peligrosos.

Nombre de la sustancia	Condición de residuo peligroso de California
Polvo de combustión, refinado de zinc 69012-63-1	Toxic
Hidróxido de calcio 1305-62-0	Corrosive
Cromo (VI) 18540-29-9	Toxic Corrosive Ignitable

SECCIÓN 14. Información relativa al transporte:

DOT No regulado

TDG No regulado

MEX No regulado

IATA No regulado

IMDG No regulado

SECCIÓN 15. Información reglamentaria:

Inventarios Internacionales

TSCA Contactar al proveedor respecto a la situación de cumplimiento del inventario.

Leyenda:

TSCA - Estados Unidos - Ley del Control de Sustancias Tóxicas, Sección 8(b), Inventario

Regulaciones federales de los EE. UU

SARA 313

Sección 313 del Título III de la Ley de Enmiendas y Reautorización del Superfondo de 1986 (SARA). Este producto contiene una o varias sustancias químicas sujetas a los requisitos de notificación según la Ley y Título 40 del Código de Reglamentos Federales, Parte 372.

Nombre de la sustancia	SARA 313 - Valores umbrales
Polvo de combustión, refinado de zinc - 69012-63-1	0.1 1.0
Cromo (VI) - 18540-29-9	0.1

Categorías de peligro de SARA 311/312

En caso que este producto cumpla con EPCRA 311/312 en cuanto a los criterios de notificación de nivel II de cantidades según 40 CFR 370, se debe consultar la Sección 2 de esta HDS para su correcta clasificación. Según los reglamentos modificados de 40 CFR 370, EPCRA 311/312 sobre la notificación de nivel II para el calendario del año 2017 es necesario que sea coherente con la clasificación de peligro actualizada.

CWA (Ley de Agua Limpia)

Este producto contiene las siguientes sustancias contaminantes, reguladas conforme a lo dispuesto por la Ley de Agua Limpia (40 CFR 122.21 y 40 CFR 122.42).

Nombre de la sustancia	CWA - cantidades notificables	CWA - contaminantes tóxicos	CWA - contaminantes prioritarios	CWA - sustancias peligrosas
Polvo de combustión, refinado de zinc 69012-63-1	-	X	-	-
Cromo (VI) 18540-29-9	-	X	-	-

CERCLA

Este material, tal como se suministra, contiene una o más sustancias reguladas como peligrosas según la Ley de Respuesta Ambiental Integral, Compensación y Responsabilidad Pública (CERCLA) (40 CFR 302).

Nombre de la sustancia	Cantidad de reporte de sustancias peligrosas	Cantidad de reporte (RQ) de sustancias extremadamente peligrosas
Cromo (VI) 18540-29-9	10 lb	-

Regulaciones estatales de los EE. UU

Proposición 65 de California

Este producto contiene las siguientes sustancias químicas incluidas en la Proposición 65:

Nombre de la sustancia	Proposición 65 de California
Cuarzo - 14808-60-7	Carcinogen
Polvo de combustión, refinado de zinc - 69012-63-1	Carcinogen
Cromo (VI) - 18540-29-9	Carcinogen Developmental Female Reproductive Male Reproductive
Dióxido de titanio - 13463-67-7	Carcinogen
Sílice amorfa - 7631-86-9	Carcinogen

Regulaciones estatales sobre el derecho a saber en los Estados Unidos

Regulaciones estatales de los EE. UU

Nombre de la sustancia	Nuevo Jersey	Massachusetts	Pensilvania
Cuarzo 14808-60-7	X	X	X
Cemento portland 65997-15-1	X	X	X
Carbonato de calcio 1317-65-3	X	X	X
Sulfato de calcio 7778-18-9	X	X	X
Polvo de combustión, refinado de zinc 69012-63-1	X	-	X
Óxido de calcio 1305-78-8	X	X	X
Cromo (VI) 18540-29-9	X	-	X

Información sobre las etiquetas de la EPA de EE. UU

Número de registro EPA de plaguicidas No aplicable

SECCIÓN 16. Otras informaciones incluidas las relativas a la preparación y actualización de las hojas de datos de seguridad:

NFPA	**Peligros para la salud** 3	**Inflamabilidad** 0	**Inestabilidad** 0	**Propiedades físicas y químicas** -
HMIS	**Peligros para la salud** 3*	**Inflamabilidad** 0	**Peligros físicos** 0	**Protección personal** X

Leyenda referida a peligros crónicos ** = Peligro crónico para la salud*

Código o leyenda de las abreviaturas y siglas utilizadas en la hoja de datos de seguridad

Leyenda Sección 8: CONTROLES DE EXPOSICIÓN/PROTECCIÓN PERSONAL

VLE-PPT	Valor Límite de Exposición Promedio Ponderado en el Tiempo	VLE-CT	Valor Límite de Exposición de Corto Tiempo
VLE-P	Valor Límite de Exposición Pico	*	Efectos sobre la piel

Referencias bibliográficas importantes y fuentes de los datos usados para compilar la HDS
Agency for Toxic Substances and Disease Registry (ATSDR)
Agencia de Protección Medio Ambiente de EUA, Base de datos ChemView
Autoridad Europea de Seguridad Alimentaria (EFSA)
EPA (Agencia de Protección Ambiental)
Niveles de referencia de exposición aguda (AEGL)
Agencia de Protección Medio Ambiente de EUA, Ley Federal sobre insecticidas, fungicidas y rodenticidas
Agencia de Protección Medio Ambiente de EUA, Sustancias químicas de alto volumen de producción
Revista técnica de investigación alimentaria (Food Research Journal)
Base de datos de sustancias peligrosas
Base de Datos Internacional de Información Química Uniforme (IUCLID)
Clasificación del SGA de Japón
Sistema Nacional de Notificación y Evaluación de Sustancias Químicas Industriales de Australia (NICNAS)
NIOSH (Instituto Nacional para la Seguridad y Salud Ocupacional) -
ChemIDPlus (NLM CIP) de la Biblioteca Nacional de Medicina
National Library of Medicine's PubMed database (NLM PUBMED)
Programa Nacional de Toxicología (NTP)
Clasificación química y base de datos de información (CCID) de Nueva Zelanda
Organización para la Cooperación y el Desarrollo Económico, Publicaciones sobre medio ambiente, salud y seguridad
Organización para la Cooperación y el Desarrollo Económico, Programa de sustancias químicas de alto volumen de producción
Organización para la Cooperación y el Desarrollo Económico, Información de la ficha de datos sobre los riesgos de las sustancias
RTECS (Registro de los efectos tóxicos de las sustancias químicas)
Organización Mundial de Salud

Preparada por	Master Wall Inc. 6975 Flat Rock Road Midland, GA 31820 706-569-0092
Fecha de emisión	24-may-2019
Fecha de revisión	24-may-2019
Nota de revisión	Liberación inicial.

Descargo de responsabilidad

La información que se ofrece en esta Ficha de Datos de Seguridad es correcta según nuestro leal saber y entender a la fecha de su publicación. La información proporcionada está concebida solamente como guía para la manipulación, uso, procesado, almacenamiento, transporte, eliminación y distribución seguras y no debe considerarse como garantía o especificación de calidad. La información se refiere únicamente al material específico diseñado y puede no ser válida en caso de usarlo en combinación con cualquier otro producto o en algún proceso, a menos que se especifique en el texto.

Fin de la Hoja de Datos de Seguridad

SAFETY DATA SHEET

DDP Specialty Electronic Materials US, LLC

Product name: INSTA STIK™ Quik Set Polyurethane Roof Adhesive 23lb HFC Tank Only

Issue Date: 01/07/2021

Print Date: 01/08/2021

DDP Specialty Electronic Materials US, LLC encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. IDENTIFICATION

Product name: INSTA STIK™ Quik Set Polyurethane Roof Adhesive 23lb HFC Tank Only

Recommended use of the chemical and restrictions on use
Identified uses: Adhesive.

COMPANY IDENTIFICATION
DDP Specialty Electronic Materials US,
LLC
974 Centre Road, Building 730,
Wilmington DE 19805
UNITED STATES

Customer Information Number: 833-338-7668
SDSQuestion-NA@dupont.com

EMERGENCY TELEPHONE NUMBER
24-Hour Emergency Contact: 1-800-424-9300
Local Emergency Contact: 800-424-9300

2. HAZARDS IDENTIFICATION

Hazard classification
GHS classification in accordance with 29 CFR 1910.1200
Gases under pressure - Liquefied gas
Acute toxicity - Category 4 - Inhalation
Skin irritation - Category 2
Eye irritation - Category 2A
Respiratory sensitisation - Category 1
Skin sensitisation - Category 1
Specific target organ toxicity - single exposure - Category 3
Specific target organ toxicity - repeated exposure - Category 2 - Inhalation

Label elements
Hazard pictograms

Signal word: **DANGER!**

Hazards
Contains gas under pressure; may explode if heated.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause respiratory irritation.
May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.

Precautionary statements

Prevention
Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/ eye protection/ face protection.
In case of inadequate ventilation wear respiratory protection.

Response
IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
Take off contaminated clothing and wash before reuse.

Storage
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Protect from sunlight. Store in a well-ventilated place.

Disposal
Dispose of contents/ container to an approved waste disposal plant.

Other hazards
No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture.

Component	CASRN	Concentration
Polymethylenepolyphenyl polyisocyanate, polypropyleneglycol copolymer	53862-89-8	>= 30.0 - <= 60.0 %
Diphenylmethane Diisocyanate, isomers and homologues	9016-87-9	>= 10.0 - <= 30.0 %
1,1,1,2 Tetrafluoroethane (HFC-134a)	811-97-2	>= 10.0 - <= 30.0 %
4,4' -Methylenediphenyl diisocyanate	101-68-8	>= 7.0 - <= 13.0 %
N,N'-Dimorpholinodiethylether	6425-39-4	>= 1.0 - <= 5.0 %

Note
Note: CAS 101-68-8 is an MDI isomer that is part of CAS 9016-87-9.

4. FIRST AID MEASURES

Description of first aid measures
General advice:
First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Inhalation: Move person to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

Skin contact: Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. An MDI skin decontamination study demonstrated that cleaning very soon after exposure is important, and that a polyglycol-based skin cleanser or corn oil may be more effective than soap and water. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands. Suitable emergency safety shower facility should be available in work area.

Eye contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. Suitable emergency eye wash facility should be available in work area.

Ingestion: If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed:

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed
Notes to physician: Maintain adequate ventilation and oxygenation of the patient. May cause respiratory sensitization or asthma-like symptoms. Bronchodilators, expectorants and antitussives may be of help. Treat bronchospasm with inhaled beta2 agonist and oral or parenteral corticosteroids. Exposure may increase "myocardial irritability". Do not administer sympathomimetic drugs such as epinephrine unless absolutely necessary. Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. If you are sensitized to diisocyanates, consult your physician regarding working with other respiratory irritants or sensitizers. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Excessive exposure may aggravate preexisting asthma and other respiratory disorders (e.g. emphysema, bronchitis, reactive airways dysfunction syndrome).

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

Unsuitable extinguishing media: Do not use direct water stream. May spread fire.

Special hazards arising from the substance or mixture
Hazardous combustion products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Nitrogen oxides. Isocyanates. Hydrogen fluoride. Hydrogen halides. Carbon dioxide.

Unusual Fire and Explosion Hazards: Some components of this product will burn in a fire situation. Container may vent and/or rupture due to fire. Vaporizes quickly at room temperature. Dense smoke is produced when product burns.

Advice for firefighters
Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Stay upwind. Keep out of low areas where gases (fumes) can accumulate. Do not use direct water stream. May spread fire. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Move container from fire area if this is possible without hazard. Use water spray to cool fire-exposed containers and fire-affected zone until fire is out.

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during fire fighting operations. If contact is likely, change to full chemical resistant fire fighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Keep personnel out of low areas. Keep upwind of spill. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. If available, use foam to smother or suppress. Confined space entry procedures must be followed before entering the area. Refer to section 7, Handling, for additional precautionary measures. See Section 10 for more specific information. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and materials for containment and cleaning up: Contain spilled material if possible. Absorb with materials such as: Dirt. Vermiculite. Sand. Clay. Do NOT use absorbent materials such as: Cement powder (Note: may generate heat). Collect in suitable and properly labeled open containers. Do not place in sealed containers. Suitable containers include: Metal drums. Plastic drums. Polylined fiber pacs. Wash the spill site with large quantities of water. Attempt to neutralize by adding suitable decontaminant solution: Formulation 1: sodium carbonate 5 - 10%; liquid detergent 0.2 - 2%; water to make up to 100%, OR Formulation 2: concentrated ammonia solution 3 - 8%; liquid detergent 0.2 - 2%; water to make up to 100%. If ammonia is used, use good ventilation to prevent vapor exposure. Contact your supplier for clean-up assistance. See Section 13, Disposal Considerations, for additional information.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Avoid breathing vapor. Use with adequate ventilation. Keep container tightly closed. This material is hygroscopic in nature. Contents under pressure. Do not puncture or incinerate container. Do not enter confined spaces unless adequately ventilated. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION. Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion.

Conditions for safe storage: Store in a dry place. Protect from atmospheric moisture. Maintain a nitrogen atmosphere. Do not store product contaminated with water to prevent potential hazardous reaction. Avoid temperatures above 50°C (122°F) See Section 10 for more specific information. Additional storage and handling information on this product may be obtained by calling your sales or customer service contact.

Storage stability

Storage temperature:	Storage Period:
25 °C (77 °F)	12 Month

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

Component	Regulation	Type of listing	Value

1,1,1,2 Tetrafluoroethane (HFC-134a)	US WEEL	TWA	1,000 ppm
4,4' -Methylenediphenyl diisocyanate	Dow IHG	TWA	0.005 ppm
	Dow IHG	STEL	0.02 ppm
	ACGIH	TWA	0.005 ppm
	Further information: resp sens: Respiratory sensitization		
	OSHA Z-1	C	0.2 mg/m3 0.02 ppm
	Further information: (b): The value in mg/m3 is approximate.; ©: Ceiling limit is to be determined from breathing-zone air samples.		

Exposure controls
Engineering controls: Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines. Exhaust systems should be designed to move the air away from the source of vapor/aerosol generation and people working at this point. The odor and irritancy of this material are inadequate to warn of excessive exposure. Lethal concentrations may exist in areas with poor ventilation.

Individual protection measures
Eye/face protection: Use chemical goggles.
Skin protection
Hand protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Chlorinated polyethylene. Neoprene. Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. Examples of acceptable glove barrier materials include: Butyl rubber. Nitrile/butadiene rubber ("nitrile" or "NBR"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.
Other protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.
Respiratory protection: Atmospheric levels should be maintained below the exposure guideline. When atmospheric levels may exceed the exposure guideline, use an approved air-purifying respirator equipped with an organic vapor sorbent and a particle filter. For situations where the atmospheric levels may exceed the level for which an air-purifying respirator is effective, use a positive-pressure air-supplying respirator (air line or self-contained breathing apparatus). For emergency response or for situations where the atmospheric level is unknown, use an approved positive-pressure self-contained breathing apparatus or positive-pressure air line with auxiliary self-contained air supply. In confined or poorly ventilated areas, use an approved self-contained breathing apparatus or positive pressure air line with auxiliary self-contained air supply.
The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Physical state Liquid.
Color Natural
Odor Very slight

Odor Threshold	0.4 ppm *Based on Literature for MDI.* Odor is inadequate warning of excessive exposure.
pH	Not applicable
Melting point/range	No test data available
Freezing point	No test data available
Boiling point (760 mmHg)	No test data available
Flash point	**closed cup** Not applicable
Evaporation Rate (Butyl Acetate = 1)	No test data available
Flammability (solid, gas)	Not Applicable
Lower explosion limit	No test data available
Upper explosion limit	No test data available
Vapor Pressure	2,100 kPa at 55 °C (131 °F) *Estimated.*
Relative Vapor Density (air = 1)	No test data available
Relative Density (water = 1)	1.155 at 25 °C (77 °F) / 25 °C *Calculated.*
Water solubility	Not applicable
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No test data available
Decomposition temperature	No test data available
Kinematic Viscosity	Not applicable
Explosive properties	Not explosive
Oxidizing properties	No
Molecular weight	Not applicable

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions. See Storage, Section 7. Unstable at elevated temperatures.

Possibility of hazardous reactions: Can occur. Elevated temperatures can cause hazardous polymerization.

Conditions to avoid: Avoid temperatures above 50°C (122°F) Elevated temperatures can cause container to vent and/or rupture. Exposure to elevated temperatures can cause product to decompose.

Incompatible materials: Avoid contact with: Acids. Alcohols. Amines. Ammonia. Bases. Metal compounds. Strong oxidizers. Products based on diisocyanates like TDI and MDI react with many materials to release heat. The reaction rate increases with temperature as well as with increased

contact; these reactions can become violent. Contact is increased by stirring or if the other material acts as a solvent. Products based on diisocyanates such as TDI and MDI are not soluble in water and will sink to the bottom, but react slowly at the interface. The reaction forms carbon dioxide gas and a layer of solid polyurea. Reaction with water will generate carbon dioxide and heat.

Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Toxic gases are released during decomposition.

11. TOXICOLOGICAL INFORMATION

Toxicological information appears in this section when such data is available.

Acute toxicity

Acute oral toxicity

Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Observations in animals include: Gastrointestinal irritation.

As product: Single dose oral LD50 has not been determined.

LD50, Rat, > 2,000 mg/kg Estimated.

Acute dermal toxicity

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product: The dermal LD50 has not been determined.

LD50, Rabbit, > 2,000 mg/kg Estimated.

Acute inhalation toxicity

In confined or poorly ventilated areas, vapor can easily accumulate and can cause unconsciousness and death due to displacement of oxygen. Excessive exposure may cause irritation to upper respiratory tract (nose and throat) and lungs. May cause pulmonary edema (fluid in the lungs.) Effects may be delayed. Symptoms of excessive exposure may be anesthetic or narcotic effects; dizziness and drowsiness may be observed. Excessive exposure may increase sensitivity to epinephrine and increase myocardial irritability (irregular heartbeats). Decreased lung function has been associated with overexposure to isocyanates.
As product: The LC50 has not been determined.

Skin corrosion/irritation

Prolonged contact may cause moderate skin irritation with local redness.
Material may stick to skin causing irritation upon removal.
May stain skin.

Serious eye damage/eye irritation

May cause moderate eye irritation.
May cause slight temporary corneal injury.

Sensitization

Skin contact may cause an allergic skin reaction.

Animal studies have shown that skin contact with isocyanates may play a role in respiratory sensitization.

May cause allergic respiratory reaction.
MDI concentrations below the exposure guidelines may cause allergic respiratory reactions in individuals already sensitized.
Asthma-like symptoms may include coughing, difficult breathing and a feeling of tightness in the chest. Occasionally, breathing difficulties may be life threatening.

Specific Target Organ Systemic Toxicity (Single Exposure)
Contains component(s) which are classified as specific target organ toxicant, single exposure, category 3.

Specific Target Organ Systemic Toxicity (Repeated Exposure)
Tissue injury in the upper respiratory tract and lungs has been observed in laboratory animals after repeated excessive exposures to MDI/polymeric MDI aerosols.

Carcinogenicity
Lung tumors have been observed in laboratory animals exposed to respirable aerosol droplets of MDI/Polymeric MDI (6 mg/m3) for their lifetime. Tumors occurred concurrently with respiratory irritation and lung injury. Current exposure guidelines are expected to protect against these effects reported for MDI.

Teratogenicity
In laboratory animals, MDI/polymeric MDI did not cause birth defects; other fetal effects occurred only at high doses which were toxic to the mother.

Contains component(s) which did not cause birth defects in animals; other fetal effects occurred only at doses toxic to the mother.

Reproductive toxicity
No relevant data found.

Mutagenicity
In vitro genetic toxicity studies were negative for component(s) tested. Genetic toxicity data on MDI are inconclusive. MDI was weakly positive in some in vitro studies; other in vitro studies were negative. Animal mutagenicity studies were predominantly negative. For the component(s) tested: 1,1,1,2-tetrafluoroethane Animal genetic toxicity studies were negative.

Aspiration Hazard
Based on physical properties, not likely to be an aspiration hazard.

COMPONENTS INFLUENCING TOXICOLOGY:

Polymethylenepolyphenyl polyisocyanate, polypropyleneglycol copolymer

Acute inhalation toxicity
At room temperature, vapors are minimal due to low volatility. However, certain operations may generate vapor or mist concentrations sufficient to cause respiratory irritation and other adverse effects. Such operations include those in which the material is heated, sprayed or otherwise mechanically dispersed such as drumming, venting or pumping. Excessive exposure may cause irritation to upper respiratory tract (nose and throat) and lungs. May cause pulmonary edema (fluid in the lungs.) Effects may be delayed. Decreased lung function has been associated with overexposure to isocyanates.

The LC50 has not been determined.

Diphenylmethane Diisocyanate, isomers and homologues

Acute inhalation toxicity

LC50, Rat, 4 Hour, dust/mist, 0.49 mg/l

For similar material(s): 4,4'-Methylenediphenyl diisocyanate (CAS 101-68-8). LC50, Rat, 1 Hour, Aerosol, 2.24 mg/l

For similar material(s): 2,4'-Diphenylmethane diisocyanate (CAS 5873-54-1). LC50, Rat, 4 Hour, Aerosol, 0.387 mg/l

1,1,1,2 Tetrafluoroethane (HFC-134a)

Acute inhalation toxicity

LC50, Rat, 4 Hour, vapour, > 1,500 mg/l

4,4' -Methylenediphenyl diisocyanate

Acute inhalation toxicity

LC50, Rat, 1 Hour, dust/mist, 2.24 mg/l

N,N'-Dimorpholinodiethylether

Acute inhalation toxicity

The LC50 has not been determined.

12. ECOLOGICAL INFORMATION

Ecotoxicological information appears in this section when such data is available.

Toxicity

Polymethylenepolyphenyl polyisocyanate, polypropyleneglycol copolymer

Acute toxicity to fish

Not expected to be acutely toxic to aquatic organisms.

Diphenylmethane Diisocyanate, isomers and homologues

Acute toxicity to fish

The measured ecotoxicity is that of the hydrolyzed product, generally under conditions maximizing production of soluble species.
Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).
Based on information for a similar material:
LC50, Danio rerio (zebra fish), static test, 96 Hour, > 1,000 mg/l, OECD Test Guideline 203 or Equivalent

Acute toxicity to aquatic invertebrates

Based on information for a similar material:
EC50, Daphnia magna (Water flea), static test, 24 Hour, > 1,000 mg/l, OECD Test Guideline 202 or Equivalent

Acute toxicity to algae/aquatic plants

Based on information for a similar material:
NOEC, Desmodesmus subspicatus (green algae), static test, 72 Hour, Growth rate inhibition, 1,640 mg/l, OECD Test Guideline 201 or Equivalent

Toxicity to bacteria
Based on information for a similar material:
EC50, activated sludge, static test, 3 Hour, Respiration rates., > 100 mg/l

Toxicity to soil-dwelling organisms
EC50, Eisenia fetida (earthworms), Based on information for a similar material:, 14 d, > 1,000 mg/kg

Toxicity to terrestrial plants
EC50, Avena sativa (oats), Growth inhibition, 1,000 mg/l
EC50, Lactuca sativa (lettuce), Growth inhibition, 1,000 mg/l

1,1,1,2 Tetrafluoroethane (HFC-134a)

Acute toxicity to fish
Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).
LC50, Oncorhynchus mykiss (rainbow trout), semi-static test, 96 Hour, 450 mg/l

Acute toxicity to aquatic invertebrates
EC50, Daphnia magna (Water flea), 48 Hour, 980 mg/l

Toxicity to bacteria
EC50, Pseudomonas putida, static test, 6 Hour, Growth inhibition, > 730 mg/l

4,4' -Methylenediphenyl diisocyanate

Acute toxicity to fish
The measured ecotoxicity is that of the hydrolyzed product, generally under conditions maximizing production of soluble species.
Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).
Based on information for a similar material:
LC50, Danio rerio (zebra fish), static test, 96 Hour, > 1,000 mg/l, OECD Test Guideline 203 or Equivalent

Acute toxicity to aquatic invertebrates
Based on information for a similar material:
EC50, Daphnia magna (Water flea), static test, 24 Hour, > 1,000 mg/l, OECD Test Guideline 202 or Equivalent

Acute toxicity to algae/aquatic plants
Based on information for a similar material:
NOEC, Desmodesmus subspicatus (green algae), static test, 72 Hour, Growth rate inhibition, 1,640 mg/l, OECD Test Guideline 201 or Equivalent

Toxicity to bacteria
Based on information for a similar material:
EC50, activated sludge, static test, 3 Hour, Respiration rates., > 100 mg/l

Toxicity to soil-dwelling organisms

EC50, Eisenia fetida (earthworms), Based on information for a similar material:, 14 d, > 1,000 mg/kg

Toxicity to terrestrial plants
EC50, Avena sativa (oats), Growth inhibition, 1,000 mg/l
EC50, Lactuca sativa (lettuce), Growth inhibition, 1,000 mg/l

N,N'-Dimorpholinodiethylether

Acute toxicity to fish
Material is practically non-toxic to fish on an acute basis (LC50 > 100 mg/L).
May increase pH of aquatic systems to > pH 10 which may be toxic to aquatic organisms.
LC50, Danio rerio (zebra fish), static test, 96 Hour, > 2,150 mg/l, OECD Test Guideline 203 or Equivalent

Acute toxicity to aquatic invertebrates
EC50, Daphnia (water flea), static test, 48 Hour, > 100 mg/l, OECD Test Guideline 202 or Equivalent

Acute toxicity to algae/aquatic plants
ErC50, Algae, static test, 72 Hour, > 100 mg/l, OECD Test Guideline 201 or Equivalent

Toxicity to bacteria
EC50, Bacteria, static test, 3 Hour, 100 mg/l, activated sludge test (OECD 209)

Persistence and degradability

Polymethylenepolyphenyl polyisocyanate, polypropyleneglycol copolymer
Biodegradability: Expected to degrade slowly in the environment.

Diphenylmethane Diisocyanate, isomers and homologues
Biodegradability: In the aquatic and terrestrial environment, material reacts with water forming predominantly insoluble polyureas which appear to be stable. In the atmospheric environment, material is expected to have a short tropospheric half-life, based on calculations and by analogy with related diisocyanates.
10-day Window: Not applicable
Biodegradation: 0 %
Exposure time: 28 d
Method: OECD Test Guideline 302C or Equivalent

1,1,1,2 Tetrafluoroethane (HFC-134a)
Biodegradability: Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability.
10-day Window: Fail
Biodegradation: 4 %
Exposure time: 28 d
Method: OECD Test Guideline 301D or Equivalent

Theoretical Oxygen Demand: 0.47 mg/mg

Photodegradation
Test Type: Half-life (indirect photolysis)
Sensitization: OH radicals
Atmospheric half-life: 1,700 d

Method: Estimated.

4,4' -Methylenediphenyl diisocyanate

Biodegradability: In the aquatic and terrestrial environment, material reacts with water forming predominantly insoluble polyureas which appear to be stable. In the atmospheric environment, material is expected to have a short tropospheric half-life, based on calculations and by analogy with related diisocyanates.
10-day Window: Not applicable
Biodegradation: 0 %
Exposure time: 28 d
Method: OECD Test Guideline 302C or Equivalent

N,N'-Dimorpholinodiethylether

Biodegradability: Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability.
10-day Window: Fail
Biodegradation: 0 - 10 %
Exposure time: 28 d
Method: OECD Test Guideline 301A or Equivalent

Theoretical Oxygen Demand: 2.49 mg/mg

Photodegradation
Test Type: Half-life (indirect photolysis)
Sensitization: OH radicals
Atmospheric half-life: 0.03 d
Method: Estimated.

Bioaccumulative potential

Bioaccumulation: No data available.

Mobility in soil

Polymethylenepolyphenyl polyisocyanate, polypropyleneglycol copolymer

In the aquatic and terrestrial environment, movement is expected to be limited by its reaction with water forming predominantly insoluble polyureas.

Diphenylmethane Diisocyanate, isomers and homologues

In the aquatic and terrestrial environment, movement is expected to be limited by its reaction with water forming predominantly insoluble polyureas.

1,1,1,2 Tetrafluoroethane (HFC-134a)

Potential for mobility in soil is high (Koc between 50 and 150).
Partition coefficient (Koc): 97 Estimated.

4,4' -Methylenediphenyl diisocyanate

In the aquatic and terrestrial environment, movement is expected to be limited by its reaction with water forming predominantly insoluble polyureas.

N,N'-Dimorpholinodiethylether

Potential for mobility in soil is low (Koc between 500 and 2000).
Given its very low Henry's constant, volatilization from natural bodies of water or moist soil is not expected to be an important fate process.

Partition coefficient (Koc): 784 Estimated.

13. DISPOSAL CONSIDERATIONS

Disposal methods: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Recycler. Reclaimer. Incinerator or other thermal destruction device. For additional information, refer to: Handling & Storage Information, MSDS Section 7 Stability & Reactivity Information, MSDS Section10 Regulatory Information, MSDS Section 15

14. TRANSPORT INFORMATION

DOT

Proper shipping name	Chemical under pressure, n.o.s.(1,1,1,2-Tetrafluoroethane)
UN number	UN 3500
Class	2.2
Packing group	
Reportable Quantity	MDI

Classification for SEA transport (IMO-IMDG):

Proper shipping name	CHEMICAL UNDER PRESSURE, N.O.S.(1,1,1,2-Tetrafluoroethane)
UN number	UN 3500
Class	2.2
Packing group	
Marine pollutant	No
Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code	Consult IMO regulations before transporting ocean bulk

Classification for AIR transport (IATA/ICAO):

Proper shipping name	Chemical under pressure, n.o.s.(1,1,1,2-Tetrafluoroethane)
UN number	UN 3500
Class	2.2
Packing group	

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container

volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312
Gases under pressure
Acute toxicity (any route of exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitisation
Specific target organ toxicity (single or repeated exposure)

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313
This product contains the following substances which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and which are listed in 40 CFR 372.

Components	**CASRN**
Diphenylmethane Diisocyanate, isomers and homologues	9016-87-9
4,4' -Methylenediphenyl diisocyanate	101-68-8

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103
Calculated RQ exceeds reasonably attainable upper limit.
Calculated RQ exceeds reasonably attainable upper limit.

Components	**CASRN**	**RQ (RCRA Code)**
4,4' -Methylenediphenyl diisocyanate	101-68-8	5000 lbs RQ
4,4' -Methylenediphenyl diisocyanate	101-68-8	5000 lbs RQ

Pennsylvania Worker and Community Right-To-Know Act:
To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

California Prop. 65
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

United States TSCA Inventory (TSCA)
All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

16. OTHER INFORMATION

Product Literature
Additional information on this product may be obtained by calling your sales or customer service contact.

Hazard Rating System
HMIS

Health	Flammability	Physical Hazard
2*	1	3

* = Chronic Effects (See Hazards Identification)

Revision
Identification Number: 308916 / A749 / Issue Date: 01/07/2021 / Version: 10.0
Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

Legend

ACGIH	USA. ACGIH Threshold Limit Values (TLV)
C	Ceiling
Dow IHG	Dow Industrial Hygiene Guideline
OSHA Z-1	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
STEL	Short term exposure limit
TWA	8-hr TWA
US WEEL	USA. Workplace Environmental Exposure Levels (WEEL)

Full text of other abbreviations
AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution

Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Information Source and References
This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

DDP Specialty Electronic Materials US, LLC urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.
US

Safety Data Sheets (SDS)

Meshes, Insulation & Modifiers

Master Wall Inc.®
Building a Culture of Excellence
masterwall.com
PO Box 397 • Fortson • GA • 31808 • 800-755-0825 • Tech: 800-760-2861

Master Wall Inc.®
Building a Culture of Excellence

PO Box 397
Fortson, GA 31808

800-755-0825

SAFETY DATA SHEET

Issuing Date: 8/1/2015 Revision Date: None Revision Number: 0

SECTION 1 – PRODUCT IDENTIFICATION

Product Name: Aggre-flex Mesh, Cement Board Mesh, Rollershield Mesh, Rollershield Flashing Tape, Bulltec Mesh, BullLath

Other means of identification
Synonyms: None

Recommended use of the chemical and restrictions on use
Recommended Use: Reinforcing Mesh/Fabric for Master Wall® Systems
Uses advised against: No information available

Supplier's details

Supplier Address
Master Wall Inc.®
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency telephone number
Emergency Telephone Number: 1-800-535-5053

SECTION 2 – HAZARDS IDENTIFICATION

Potential Health Effects

GHS Classification
Skin corrosion property-stimulativeness: Category 2 (irritation to skin)
Critical damage and stimulativeness to eye: Category 2B (low irritation to eye)
Specified target organ – general toxicity-single exposure: Category 3 (irritating to respiratory tract)

Primary Entry Routes: Inhalation
Target Organs: None
Acute Effects
Inhalation: Mechanical irritation of the mouth, nose and throat.
Eye: Direct contact will cause mechanical irritation.
Skin: Transient mechanical irritation. Occasionally there might be skin irritation noted by individuals who are initially exposed to fiberglass.
Ingestion: Observe individual. If symptoms of GI irritation develop, consult a physician.
Carcinogenicity: IARC, NTP, and OSHA do not list Aggre-flex Mesh as a carcinogen.
Medical Conditions Aggravated by Long-Term Exposure: Skin, eyes and respiratory irritation.
Chronic Effects: None Known (See Section 11)
GHS Label Requirements: None.

SECTION 3 – COMPOSOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS-No	Weight %
Continuous Filament/Fiber Glass	65997-17-3	80.0-97%
Weaving Sizes	None	0.5-5.0%
Organic polymers/Inorganic/Organic Additives/Pigments	None	1.0 to 18%

Trace Impurities: N/A

	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
Ingredient	**TWA**	**STEL**	**TWA**	**STEL**	**TWA**	**STEL**	**IDLH**
Continuous Filament Fiberglass	15 mg/cuM	N/E	10.0 mg/m3	N/E	3 Fiber/cc	N/E	N/E
Weaving Sizes	N/E	N/E	N/E	N/E	N/E	N/E	N/E
Organic polymers/Inorganic/Organic Additives/Pigments	N/E	N/E	N/E	N/E	N/E	N/E	N/E

SECTION 4 – FIRST AID MEASURES

Description of necessary first-aid measures

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, qualified personnel may administer oxygen. Get medical attention immediately.

Eye Contact: In case of contact with the product or the cured product dust or particulate, immediately flush with water for 15 minutes, keeping the eyelids open. Get medical attention immediately.

Skin Contact: In case of contact with the product or the cured product dust or particulate, immediately wash skin with a mild soap and room temperature to cool running water. Use a washcloth to help remove fibers. To avoid further irritation, do not rub or scratch irritated areas. Rubbing or scratching may force fibers into skin. Get medical attention immediately if the irritation persists.

Ingestion: Ingestion of the product or the dust or particulate form is unlikely. If swallowed, get medical attention immediately.

After first Aid, get appropriate in-plant, paramedic, or community medical support.

Special Precautions/Procedures: None.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician: N/A

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: None
Flash Point Method: N/A
Burning Rate: None
Auto-ignition Temperature: None
LEL: None
UEL: None
Flammability Classification: Non-flammable
Extinguishing Media: Water is the best extinguishing media or use that which is appropriate for the surrounding area.
Unusual Fire or Explosion Hazards: None
Hazardous Combustion Products: Any sizing, binders or coatings on the fiberglass fabric might form hazardous decomposition products during a sustained fire. Follow fire-fighting procedures and use proper fire-fighting equipment.
Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.
Fire Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

SECTION 6 – ACCIDENTIAL RELEASE MEASURES

Spill/Leak Procedures: Prevent the spread of fiberglass dust and avoid dust generation conditions. Vacuum clean dusts and fiber. If sweeping is necessary, use a dust suppressant. Those involved in the cleanup of fiberglass should use appropriate personal protective equipment. See Section 8.

Containment: N/A

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120)

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Handling: Handle in accordance with good industrial hygiene and safety practice and properly to prevent the spread of fiberglass dust or fibers. Ensure adequate ventilation. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Storage: Store in proper containers to prevent the spread of dusts and fibers. Low humidity levels will increase the spread of dust and fibers.

Precautions to be taken in handling and storage: Store in a cool, dry place. Maintain sealed against contamination from dirt and moisture. Keep away from food and drink. Avoid inhalation of filament or dust particulates generated during the process operation.

Regulatory Requirements: Keep airborne dust and fiber concentrations below regulatory levels.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Avoid eye contact. Wear coverall goggles, as necessary, to prevent irritation, if airborne dust, fibers or particulate are present. Wear safety glasses with side shields, as necessary, if airborne dust, fibers or particulate are present when machining, grinding or sawing the cured product.

Skin and Body Protection: Wear protective clothing such as a loose fitting, long sleeved shirt that covers the base of the neck, long pants and gloves, as necessary, to prevent irritation. Skin irritation is known to occur primarily at pressure points such as around the neck, wrist, waist, and between fingers.

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne dust or fiber concentrations below OSHAPEL's (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Respiratory Protection: Where airborne dusts of fibers exceed the TLV, use NIOSH approved respirator to protect against nuisance dusts. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions and levels of airborne contamination.

Protective Clothing/Equipment: If necessary wear protective gloves or use barrier cream to protect against any mechanical irritation, Eye protection is not required unless fiber levels might cause mechanical irritation of the eyes or local regulations require the use of eye protection. Goggles should then be used. Other protective clothing is not required.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially be fore eating, drinking, smoking, using the toilet, or applying cosmetics. Wash hands after handling this material.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State:	Woven fiberglass fabric	**Appearance and Odor:**	No Discernable Odor
Water Solubility:	Not Soluble	**Odor Threshold:**	No information available.
Boiling Point:	N/A	**Vapor Pressure:**	None
Freezing/Melting Point:	800 Deg. C.	**Vapor Density (Air=1)**	None
Viscosity:	N/A	**Formula Weight:**	None
Refractive Index:	N/A	**Density:**	N/A
Surface Tension:	N/A	**Specific Gravity:**	N/A
pH:	6-8 in water	**Evaporation Rate:**	N/A

SECTION 10 – STABILITY AND REACTIVITY

Stability: Fiberglass Mesh is stable at room temperature in closed containers under normal storage and handling conditions.
Polymerization: Hazardous polymerization cannot occur.
Chemical Incompatibilities: None
Conditions to Avoid: None
Hazardous Decomposition Products: Thermal oxidative decomposition of mesh can produce oxides of carbon, CO, CO2, and hydrocarbons.

SECTION 11 – TOXOLOGICAL INFORMATION

Fiber Toxicity: Glass fiber diameter determines whether the fiber is respirable. NIOSH has determined that man-made mineral fibers with diameters equal or greater than 3.5 microns are non-respirable. Respirable fibers will penetrate deep into the lungs, all glass fiber continuous filament fiberglass have a fiber diameter larger than 3.5 microns and therefore are non-respirable.
Carcinogenicity: The following organization have found that the continuous fiberglass filaments are not considered to be carcinogenic based on human and animal tests conducted within the last 10 years.

Internal Agency for Research on Cancer – IARC
American Conference of Governmental Industrial Hygienists – ACGIH
Occupational Safety and Health Administration – OSHA
National Toxicity Program NTP 7th Annual Report on Carcinogens

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity
Considered to be an inert solid waste and will not cause harm to the environment if spilled or released. This product is not manufactured with, or does not contain any Ozone depleting chemicals.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Disposal Regulatory Requirements: N/A

Container Cleaning and Disposal: N/A

SECTION 14 – TRANSPORT INFORMATION

DOT Transportation Data (49 CFR 172.101)

Shipping Name: Fiberglass Fabric
Shipping Symbols: None
Hazard Class: None
ID No.: None
Packing Group: N/A
Label: None
Special Provisions (172.102): None
Packaging Authorizations:
- **a) Exceptions:** None
- **b) Non-bulk Packaging:** None
- **c) Bulk Packaging:** None

Quantity Limitations
- **a) Passenger, Aircraft, or Railcar:** None
- **b) Cargo Aircraft Only:** None

Vessel Stowage Requirements
- **a) Vessel Stowage:** None
- **b) Other:** None

SECTION 15 – REGULATORY INFORMATION

EPA Regulations:
RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)
RCRA Hazardous Waste Classification (40 CFR 261.): Not classified
CERCLA Hazardous Substance (40 CFR 302.4) Listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b) (4); CWA, Sec. 307 (a), CAA, Sec. 112
CERCLA Reportable Quantity (RQ), No RQ
SARA 311/312 Codes: N/A
SARA Toxic Chemical (40 CFR 372.65): Not listed
SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ): None

OSHA Regulations:
Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed
OHA Specifically Regulated Substance (29 CFR 1910.): No

State Regulations: None

SECTION 16 – OTHER INFORMATION

Explanation and Disclaimer: Wherever such words or phrases as “hazardous,””toxic,””carcinogen,” etc. appear herein they are used as defined or described under state employee right-to-know laws. Federal OSHA laws or the direct sources for these laws such as the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), etc. The use of such words or phrases should not be taken to mean that we deem or imply any substance or exposure to be toxic, hazardous or otherwise harmful.

Any exposure can only be understood within the entire context of its occurrence, which includes such factors as the substance’s characteristics as defined in the SDS, amount and duration of exposures, other chemicals present and pre-existing individual differences in response to the exposure.

The data provided in this SDS is based on the information received from our raw material suppliers and other sources believed to be reliable. We are supplying you this data solely in compliance with the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200 and other Federal and state laws as described in Section 15: Regulatory Information.

The information contained in this SDS is proprietary and confidential to Master Wall Inc. This SDS and the information in it are not to be used for purposes other than compliance with the Federal OSHA Hazard Communication Standard. If you have received this SDS from any other source than Master Wall Inc. or its authorized agent, the information contained in it may have been modified from the original document and may not be the most current revision.

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

Issuing Date 21-Jul-2015 **Revision Date** 21-Jul-2015 **Revision Number** 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Names: **BA57 Bonding Agent, Stucco Ad Liquid**

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Water based acrylic bonding agent and stucco additive

Uses advised against No information available

Supplier's details

Supplier Address
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency Telephone Number

Emergency Telephone Number 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Not classified

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word **None**

Hazard Statements
• None

The product contains no substances which at their given concentration are considered to be hazardous to health

Appearance Off white **Physical State** Liquid. **Odor** Slight

Precautionary Statements

Prevention
• None

General Advice
• None

Storage
• None

Disposal
• None

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information
Harmful to aquatic life. Very toxic to aquatic life with long lasting effects.

80.77% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Titanium dioxide	13463-67-7	5-10	*
Quartz	14808-60-7	0.1-1	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash skin with soap and water.

Inhalation Move to fresh air.

Ingestion Clean mouth with water and afterwards drink plenty of water.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical
No information available.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Avoid sanding and grinding surfaces containing dried paint film.

Environmental Precautions

Environmental Precautions Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. Collect spillage. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid sanding and grinding surfaces containing dried paint film.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Limestone 1317-65-3	-	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³	TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³
Quartz 14808-60-7	TWA: 0.025 mg/m³ respirable fraction	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7	TWA: 5 mg/m³, as oil mist, mineral STEL: TWA: 10 mg/m³, as oil mist, mineral	TWA: 5 mg/m³, as oil mist, mineral	-
Silicon dioxide 7631-86-9	10 mg/m³	20 mppcf TWA; ((80)/(% SiO2) mg/m³)	IDLH: 3000 mg/m³ TWA: 6 mg/m³
Diuron 330-54-1	TWA: 10 mg/m³	(vacated) TWA: 10 mg/m³	TWA: 10 mg/m³
Kaolin 1332-58-7	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust

Ethanolamine 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m^3 (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m^3 (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m^3	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m^3 STEL: 6 ppm STEL: 15 mg/m^3

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection No special protective equipment required.
Skin and Body Protection No special protective equipment required.
Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid.
Appearance Off white.
Odor Slight.
Odor Threshold No information available.

Property	Values	Remarks/ - Method
pH	8 - 10	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	> 100 °C	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	>1; No units, but stated at a given temperature	None known
Water Solubility	Miscible with water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	120-130 K.U.	None known

Flammable Properties Not flammable

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) No data available
VOC (g/l) 5 g/l

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	There is no data available for this product.
Eye Contact	There is no data available for this product.
Skin Contact	There is no data available for this product.
Ingestion	There is no data available for this product.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.
Mutagenic Effects No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide		Group 2B		X
Quartz	A2	Group 1	Known	X

ACGIH: (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)
Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)
X - Present

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product
Acute Toxicity 80.77% of the mixture consists of ingredient(s) of unknown toxicity.
LD50 Oral > 5000 mg/kg; (ATE)

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Propylene glycol 57-55-6	EC50 96 h: = 19000 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 51600 mg/L static (Oncorhynchus mykiss) LC50 96 h: 41 - 47 mL/L static (Oncorhynchus mykiss) LC50 96 h: = 51400 mg/L static (Pimephales promelas) LC50 96 h: = 710 mg/L (Pimephales promelas)	EC50 = 710 mg/L 30 min	EC50 24 h: > 10000 mg/L (Daphnia magna) EC50 48 h: > 1000 mg/L Static (Daphnia magna)
2,2,4-Trimethylpentane-1,3-diol monoisobutyrate 25265-77-4	EC50: 18.4 mg/L Pseudokirchneriella subcapitata 72 h	LC50 96 h: = 30 mg/L (Pimephales promelas)		LC50 96 h: > 95 mg/L (Daphnia magna)
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		LC50 96 h: > 5000 mg/L (Oncorhynchus mykiss)		EC50 48 h: > 1000 mg/L (Daphnia magna)
Silicon dioxide 7631-86-9	EC50 72 h: = 440 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 5000 mg/L static (Brachydanio rerio)		EC50 48 h: = 7600 mg/L (Ceriodaphnia dubia)
2-Amino-2-methyl-1-propanol 124-68-5	EC50 72 h: = 520 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 190 mg/L static (Lepomis macrochirus)		EC50 48 h: = 193 mg/L (Daphnia magna)
Ammonium hydroxide 1336-21-6		LC50 96 h: = 8.2 mg/L (Pimephales promelas)		EC50 48 h: = 0.66 mg/L (water flea) EC50 48 h: = 0.66 mg/L (Daphnia pulex)
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine 4719-04-4	-	-	EC50 = 28.9 mg/L 15 min	-
Sodium nitrite 7632-00-0		LC50 96 h: = 0.19 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.092 - 0.13 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.4 - 0.6 mg/L semi-static (Oncorhynchus mykiss) LC50 96 h: 0.65 - 1 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 2.3 mg/L flow-through (Pimephales promelas) LC50 96 h: = 20 mg/L static (Pimephales promelas)		

Diuron 330-54-1	EC50 72 h: < 0.1 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: = 0.0007 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: = 0.022 mg/L (Desmodesmus subspicatus) EC50 72 h: = 0.036 mg/L static (Desmodesmus subspicatus)	LC50 96 h: 1.5-2.54 mg/L static (Oncorhynchus mykiss) LC50 96 h: 13.4-15 mg/L flow-through (Pimephales promelas) LC50 96 h: 13.4-15 mg/L static (Pimephales promelas) LC50 96 h: 2.3-3.3 mg/L static (Lepomis macrochirus) LC50 96 h: = 14.7 mg/L (Oncorhynchus mykiss) LC50 96 h: = 2.9 mg/L (Cyprinus carpio) LC50 96 h: = 4 mg/L (Lepomis macrochirus)	EC50 = 16.38 mg/L 5 min	EC50 48 h: 6.3 - 13 mg/L Static (Daphnia magna) EC50 48 h: = 1.4 mg/L (Daphnia magna)
3-Iodo-2-propynyl butylcarbamate 55406-53-6		LC50 96 h: 0.049-0.079 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: 0.05-0.089 mg/L (Oncorhynchus mykiss) LC50 96 h: 0.14-0.32 mg/L flow-through (Lepomis macrochirus) LC50 96 h: 0.18-0.23 mg/L flow-through (Pimephales promelas)		
Polyethylene glycol 25322-68-3		LC50 24 h: > 5000 mg/L (Carassius auratus)	EC50 = 100000 mg/L 15 min	
Ethanolamine 141-43-5	EC50 72 h: = 15 mg/L (Desmodesmus subspicatus)	LC50: 227 mg/L Pimephales promelas 96 h flow-through LC50: 3684 mg/L Brachydanio rerio 96 h static LC50: 300-1000 mg/L Lepomis macrochirus 96 h static LC50: 114-196 mg/L Oncorhynchus mykiss 96 h static LC50: >200 mg/L Oncorhynchus mykiss 96 h flow-through	EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h EC50 = 13.7 mg/L 30 min	EC50 48 h: = 65 mg/L (Daphnia magna)

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methyl-2-benzimidazole carbamate - 10605-21-7	U372	Included in waste streams: K156, K158		U372
3-Iodo-2-propynyl butylcarbamate - 55406-53-6	(hazardous constituent - no waste number)			

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA All components of this product are either listed or are exempt on the TSCA inventory.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Titanium dioxide	13463-67-7	Carcinogen
Quartz	14808-60-7	Carcinogen
Diuron	330-54-1	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Limestone	X	X	X		X
Titanium dioxide	X	X	X	-	X
Propylene glycol	X	-	X	-	X
Quartz	X	X	X	-	X
Petroleum distillates, hydrotreated heavy paraffinic				X	

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	**Health Hazard** 1	**Flammability** 0	**Instability** 0	**Physical and Chemical Hazards** -
HMIS	**Health Hazard** 1	**Flammability** 0	**Physical Hazard** 0	**Personal Protection** X

Prepared By

Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Issuing Date 21-Jul-2015
Revision Date 21-Jul-2015
Revision Note Initial Release.

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Safety Data Sheets (SDS)

Water Barriers, Flashing & Accessories

Master Wall Inc.®
Building a Culture of Excellence

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PO Box 397 • Fortson • GA • 31808 • 800-755-0825 • Tech: 800-760-2861

SAFETY DATA SHEET

Issuing Date 21-Jul-2015 **Revision Date** 21-Jul-2015 **Revision Number** 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name **Rollershield-RS, Rollershield-TG**

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Liquid applied air and water barrier

Uses advised against No information available

Supplier's details

Supplier Address
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency telephone number

Emergency Telephone Number 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word **None**

The product contains no substances which at their given concentration are considered to be hazardous to health

Appearance Orange **Physical State** Liquid. **Odor** Slight

Precautionary Statements

Prevention
• None

General Advice
• None

Storage
• None

Disposal
• None

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information
May cause eye, skin, and respiratory tract irritation. May be harmful if swallowed.
>10% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Titanium dioxide	13463-67-7	1-5	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact Rinse thoroughly with water as necessary. Get medical attention immediately if symptoms occur.

Skin Contact Wash off with water. Consult a physician if necessary.

Inhalation Move to fresh air. If symptoms arise, call a physician.

Ingestion Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Consult a physician. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical
No information available.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Avoid contact with the skin and the eyes. Wear appropriate protective clothing. Refer to Section 8 for personal protective equipment.

Environmental Precautions

Environmental Precautions Do not allow material to contaminate ground water system.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin and eyes. Mix well before use.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from freezing.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Limestone 1317-65-3	-	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³	TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³
Quartz 14808-60-7	TWA: 0.025 mg/m³ respirable fraction	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Silicon dioxide 7631-86-9	10 mg/m³	20 mppcf TWA; ((80)/(% SiO2) mg/m³)	IDLH: 3000 mg/m³ TWA: 6 mg/m³
Talc 14807-96-6	TWA: 2 mg/m³	(vacated) TWA: 2 mg/m³	IDLH: 1000 mg/m³ containg no asbestos and <1% quartz TWA: 2 mg/m³

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection If splashes are likely to occur, wear: Safety glasses with side-shields.
Skin and Body Protection Long sleeved clothing. Impervious gloves.
Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid.	**Appearance**	Orange.
Odor	Slight.	**Odor Threshold**	No information available.

Property	Values	Remarks/ - Method
pH	8 - 10	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	> 100 °C	None known
Flash Point	> 93 °C	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	>1	None known
Water Solubility	Miscible with water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	90-110 K.U.	None known

Flammable Properties Not flammable

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) No data available
VOC (g/l) 10

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information The product itself has not been tested.
Inhalation May cause irritation.
Eye Contact May cause irritation.
Skin Contact May cause irritation.
Ingestion May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available.
Mutagenic Effects No information available.
Carcinogenicity This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide		Group 2B		X

IARC: (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans

OSHA: (Occupational Safety & Health Administration)
X - Present

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product
Acute Toxicity >10% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated.

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA All components of this product are either listed or are exempt on the TSCA inventory.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

The classification listed below only applies to respirable Titanium dioxide.

Chemical Name	CAS-No	California Prop. 65
Titanium dioxide	13463-67-7	Carcinogen
Quartz	14808-60-7	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Limestone	X	X	X		X
Titanium dioxide	X	X	X	-	X
Propylene glycol	X	-	X	-	X
Petroleum distillates, hydrotreated heavy paraffinic				X	

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	**Health Hazard** 1	**Flammability** 0	**Instability** 0	**Physical and Chemical Hazards** -
HMIS	**Health Hazard** 1	**Flammability** 0	**Physical Hazard** 0	**Personal Protection** X

Prepared By
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Issuing Date 21-Jul-2015
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End of Safety Data Sheet

FICHA DE DATOS DE SEGURIDAD

Fecha de emisión 21-jul-2015 **Fecha de revisión** 21-jul-2015 **Número de Revisión** 0

1. IDENTIFICACIÓN DE LA SUBSTANCIA/PREPARACIÓN Y DE LA SOCIEDAD/EMPRESA

Identificador de producto SGA

Nombre del producto **Rollershield-RS, Rollershield-TG**

Otros medios de identificación

Sinónimos ninguno

Uso recomendado del producto químico y restricciones de uso

Uso recomendado Barrera de aire y líquido aplicada

Usos contraindicados No hay información disponible

Datos del proveedor

Dirección de proveedor
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Teléfono de emergencia

Teléfono de emergencia 1-800-535-5053

2. IDENTIFICACIÓN DE LOS PELIGROS

Clasificación

Esta sustancia no es considerada peligrosa de acuerdo con la norma de comunicación de peligros de OSHA 2012 (29 CFR 1910.1200).

Elementos de la etiqueta SGA/GHS, incluyendo las declaraciones cautelares

Revisión de la Emergencia

Palabra de advertencia **ninguno**

El producto no contiene sustancias que se consideren peligrosas a la salud a las concentraciones previstas

Aspecto anaranjado **Estado físico** líquido. **Olor** ligero

Medidas de precaución

Prevención
• ninguno

Consejos generales
• Ninguno

Almacenamiento
• ninguno

Eliminación
• ninguno

Peligro no clasificado en otra parte (HNOC)

No aplicable

Otra información
Puede causar irritación a los ojos, piel y las vías respiratorias. Puede ser nocivo si es tragado.
>10 % de la mezcla consiste en ingredientes de toxicidad desconocida

3. COMPOSICIÓN/INFORMACIÓN SOBRE LOS INGREDIENTES

Nombre químico	CAS No	% en peso	Secreto Comercial
Dióxido de titanio	13463-67-7	1-5	*

**El porcentaje exacto (concentración) en la composición no se revela por ser un secreto comercial.*

4. PRIMEROS AUXILIOS

Descripción de las medidas necesarias en primeros auxilios

Contacto con los ojos Enjuagar bien con agua como sea necesario. Consultar inmediatamente un médico si los síntomas aparecen

Contacto con la piel Eliminar mediante lavado con agua. Si es necesario, consulte a un médico.

Inhalación Salga al aire libre. Si aparecen síntomas, consultar a un médico.

Ingestión Lávese la boca con agua y después beba agua abundante No provoque vómitos. Consulte a un médico. Nunca debe administrarse nada por la boca a una persona inconsciente.

Síntomas/efectos más importante, agudos y retardados

Síntomas/efectos más importantes No hay información disponible.

Indicación de la atención médica inmediata y tratamiento especial necesario, si se necesita

Notas para el médico Trate sintomáticamente.

5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Medios de extinción adecuados
Use medidas de extinción que sean apropiadas a las circunstancias locales y de sus alrededores.

Medios no adecuados de extinción No hay información disponible.

Riesgos específicos debidos a la sustancia química
No hay información disponible.

Datos sobre Peligros de Explosión
Sensible a impactos mecánicos ninguno.
Sensible a descargas estáticas ninguno.

Equipo de protección y precauciones para bomberos
Como en cualquier incendio, llevar un aparato respiratorio autónomo con demanda de presión, MSHA/NIOSH (aprobado o equivalente) y una ropa de protección total.

6. MEDIDAS QUE DEBEN TOMARSE EN CASO DE VERTIDO ACCIDENTAL

Precauciones personales, equipo de protección y procedimientos de emergencia

Precauciones individuales Asegure una ventilación apropiada. Evite el contacto con la piel y los ojos. Usar ropa de protección apropiada. Consúltese la Sección 8 sobre los equipos de protección personal.

Precauciones ambientales

Precauciones ambientales Evite que el material contamine el agua del subsuelo.

Métodos y materiales de contención y limpieza

Métodos de contención Impidas nuevos escapes o derrames de forma segura.

Métodos de limpieza Recójalo y traspáselo a contenedores correctamente etiquetados.

7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones para un manejo seguro

Manipulación Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad. Asegure una ventilación apropiada. Evite el contacto con piel y ojos. Mezclar bien antes del uso.

Condiciones de almacenamiento seguro, incluyendo cualquier incompatibilidad

Almacenamiento Cierre los recipientes herméticamente y manténgalos en lugar seco, fresco y bien ventilado. Proteger de la congelación.

Productos incompatibles No se conocen de acuerdo con la información suministrada.

8. CONTROLES DE EXPOSICION Y PROTECCION PERSONAL

Parámetros de control

Directrices de exposición

Nombre químico	Valor límite umbral (TLV), ACGIH	Límite permisible de exposición (PEL), OSHA	Peligro inmediato para la vida o la salud (IDLH), NIOSH
Carbonato de calcio 1317-65-3	-	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³	TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust
Dióxido de titanio 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³
Sílice cristalina, cuarzo 14808-60-7	TWA: 0.025 mg/m³ respirable fraction	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Silico amoria 7631-86-9	10 mg/m³	20 mppcf TWA; ((80)/(% SiO2) mg/m³)	IDLH: 3000 mg/m³ TWA: 6 mg/m³
Talco 14807-96-6	TWA: 2 mg/m³	(vacated) TWA: 2 mg/m³	IDLH: 1000 mg/m³ containg no asbestos and <1% quartz TWA: 2 mg/m³

Controles de ingeniería apropiados

Disposiciones de ingeniería Duchas
Estaciones lavaojos
Sistemas de ventilación

Medidas de protección individual, tales como equipo de protección personal (PPE)

Protección de los ojos / cara En caso de probables salpicaduras, use: Gafas protectoras con cubiertas laterales.
Protección de la piel y del cuerpo Ropa de manga larga. Guantes impermeables.

Protección respiratoria	Si se exceden los límites de exposición o se presenta una irritación, se debe de usar la protección respiratoria aprobada por NIOSH/MSHA. Los respiradores de aire de presión positiva proporcionados pueden ser exigidos cuando existen altas concentraciones de contaminantes aerotransportados. La protección respiratoria se debe proporcionar de acuerdo con regulaciones locales actuales
Medidas de higiene	Manipúlelo con las precauciones de higiene industrial adecuadas, y respete las prácticas de seguridad.

9. PROPIEDADES FÍSICAS Y QUÍMICAS

Información sobre las propiedades físicas y químicas básicas

Estado físico	líquido.	**Aspecto**	anaranjado.
Olor	ligero.	**Límite de olor**	No hay información disponible.

Propiedades	**Valores**	**Observaciones/ - Método**
pH	8 - 10	No conocidos
Punto de fusión/rango	sin datos disponibles	No conocidos
Punto / intervalo de ebullición	> 100 °C	No conocidos
Punto de inflamación	> 93 °C	No conocidos
Índice de evaporación	sin datos disponibles	No conocidos
Inflamabilidad (sólido, gas)	sin datos disponibles	No conocidos
Límites de Inflamabilidad en el Aire		
límite superior de inflamabilidad	sin datos disponibles	
límite inferior de inflamabilidad	sin datos disponibles	
Presión de vapor	sin datos disponibles	No conocidos
Densidad de vapor	sin datos disponibles	No conocidos
Gravedad Específicas	>1	No conocidos
Hidrosolubilidad	Miscible con agua	No conocidos
Solubilidad en otros disolventes	sin datos disponibles	No conocidos
Coeficiente de partición: (n-octanol/agua)	sin datos disponibles	No conocidos
Temperatura de auto-inflamación	sin datos disponibles	No conocidos
Temperatura de descomposición	sin datos disponibles	No conocidos
Viscosidad	90-110 K.U.	No conocidos

Propiedades inflamables	No inflamable
Propiedades explosivas	sin datos disponibles
Propiedades comburentes	sin datos disponibles

Otra información

Contenido (%) COV (compuestos orgánicos volátiles)	sin datos disponibles
COV (g/l)	10

10. ESTABILIDAD Y REACTIVIDAD

Reactividad

No se conoce ninguna reacción peligrosa en las condiciones de uso normales.

Estabilidad química

Estable bajo las condiciones de almacenamiento recomendadas.

Posibilidad de reacciones peligrosas

Nada en condiciones normales de proceso.

Polimerización peligrosa

La polimerización peligrosa no ocurre.

Condiciones a evitar

No se conocen de acuerdo con la información suministrada.

Materiales incompatibles

No se conocen de acuerdo con la información suministrada.

Productos de descomposición peligrosos

No se conocen de acuerdo con la información suministrada.

11. INFORMACIÓN TOXICOLÓGICA

Información sobre las rutas probables de exposición

Información del Producto El producto en sí no ha sido probado.
Inhalación Puede causar irritación.
Contacto con los ojos Puede causar irritación.
Contacto con la piel Puede causar irritación.
Ingestión Puede ser nocivo si es tragado.

Síntomas relacionados a las características físicas, químicas y toxicológicas

Síntomas No hay información disponible

Efectos inmediatos y tardíos y también efectos crónicos de exposición a corto y largo plazo

Sensibilización No hay información disponible.
efectos mutágenos No hay información disponible.
Carcinogenicidad Este producto contiene dióxido de titanio en forma no respirable. Es poco probable que ocurra inhalación de dióxido de titanio debido a la exposición a este producto.

Nombre químico	ACGIH	IARC (Agencia Internacional para la Investigación sobre el Cáncer)	NTP	OSHA
Dióxido de titanio		Group 2B		X

IARC (Agencia Internacional para la Investigación sobre el Cáncer)
Grupo 2B - Posiblemente carcinógeno para los humanos

OSHA: (Administración de Seguridad y Salud Ocupacional)
X – Presente

Toxicidad a la reproducción No hay información disponible.
Toxicidad sistémica a un órgano específico objetivo (exposición única) No hay información disponible.
Toxicidad sistémica a un órgano específico objetivo (exposición repetida) No hay información disponible.
Peligro de aspiración No hay información disponible.

Medidas numéricas de toxicidad - Producto
Toxicidad aguda >10 % de la mezcla consiste en ingredientes de toxicidad desconocida

12. INFORMACIONES ECOLÓGICAS

Ecotoxicidad
El impacto ambiental de este producto no se ha investigado completamente.

Persistencia y degradabilidad No hay información disponible.

Bioacumulación No hay información disponible.

Otros efectos nocivos
No hay información disponible

13. INFORMACIÓN RELATIVA A LA ELIMINACIÓN DE LOS PRODUCTOS

Métodos de eliminación de los desechos Este material, tal como se suministra, no es un residuo peligroso de acuerdo con las Regulaciones Federales (40 CFR 261). Este material puede convertirse en un residuo peligroso si se mezcla o entra en contacto con un residuo peligroso, si le fueran agregadas sustancias químicas, o si el material es procesado o alterado de alguna manera. Consúltese la regulación 40 CFR 261 para determinar si el material alterado obtenido es un residuo peligroso. Consúltense las regulaciones estatales, regionales o locales pertinentes para conocer requisitos adicionales

Envases contaminados No reutilice los recipientes vacíos.

14. INFORMACIÓN RELATIVA AL TRANSPORTE

DOT no regulado

IATA no regulado

IMDG/IMO no regulado

15. INFORMACIÓN REGLAMENTARIA

Inventarios Internacionales
TSCA Todos los componentes de este producto están listados o exentos en el Inventario TSCA.

Leyenda
TSCA - Ley de Control de Sustancias Tóxicas de Estados Unidos, Sección 8(b) Inventario

Reglamentaciones Federales

Sección 313 de Título III de la Ley de Reautorización y Enmiendas de Superfund de 1986 (SARA). Este producto no contiene ninguna sustancia química sujeta a los requisitos de declaración de la Ley y Título 40 del Código de Regulaciones Federales, Parte 372.

Categorías de Riesgo SARA 311/312

Peligro Agudo para la Salud	no
Peligro Crónico para la Salud	no
Peligro de Incendio	No
Escape Brusco de Presión Peligrosa	No
Peligro de Reactivo	No

Ley del Agua Limpia
Este producto no contiene ninguna sustancia regulada como agente contaminante conforme a la Acta de agua limpia (40 CFR 122.421 y 40 CFR 122.42).

CERCLA

CERCLA Este material, tal como se suministra, no contiene sustancias reguladas como material peligroso según la Ley Integral de Respuesta, Compensación y Responsabilidad Ambiental (CERCLA) (40 CFR 302) o las Enmiendas al Superfondo y Ley de Reautorización (SARA) (40 CFR 355). Pueden existir requisitos específicos a reportar a nivel local, regional o estatal vinculados a la liberación de este material

Reglamentaciones de los Estados

Proposición 65 de California

La clasificación listada abajo se aplica solo al dióxido de titanio respirable.

Nombre químico	CAS No	Proposición 65 de California
Dióxido de titanio	13463-67-7	Carcinogen
Sílice cristalina, cuarzo	14808-60-7	Carcinogen

Regulaciones de EE.UU. sobre el derecho a saber

Nombre químico	Nueva Jersey	Massachussets	Pensilvania	Illinois	Rhode Island
Carbonato de calcio	X	X	X		X
Dióxido de titanio	X	X	X	-	X
Propilenglicol	X	-	X	-	X
Destilados del petróleo, parafínicos pesados hidrotratados				X	

EPA EUA Información de la etiqueta

EPA Número del registro de pesticida No aplicable

16. OTRAS INFORMACIONES

NFPA	**Peligro para la salud** 1	**Inflamabilidad** 0	**Inestabilidad** 0	**Peligros físicos y químicos** -
HMIS	**Peligro para la salud** 1	**Inflamabilidad** 0	**Peligro físico** 0	**Precauciones individuales** X

Preparado Por Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Fecha de emisión 21-jul-2015
Fecha de revisión 21-jul-2015
Nota de revisión Primera edición.

Renuncia

La información proporcionada en esta Hoja de Datos de Seguridad es correcta según nuestro leal saber y entender, grado de información y opinión en la fecha de su publicación. La información brindada esta diseñada sólo como guía para la manipulación, uso, procesamiento, almacenamiento, transportación, disposición y distribución seguros del producto y no debe considerarse como garantía o especificación de calidad. Los datos se refieren solamente al material específico designado en ella y puede no ser válida para los materiales usados en combinación con cualquier otro material o proceso, a menos que sea especificado en el texto.

Fin de la HDS

SAFETY DATA SHEET

Issuing Date 29-Nov-2016 **Revision Date** 29-Nov-2016 **Revision Number** 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name **Rollershield VB**

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Liquid applied vapor barrier

Uses advised against No information available

Supplier's details

Supplier Address
Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency telephone number

Emergency Telephone Number 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Skin Sensitization	Category 1

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word **Warning**

Hazard Statements
• May cause an allergic skin reaction

Appearance Brown. **Physical State** Liquid. **Odor** Slight.

Precautionary Statements

Prevention

- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective gloves.

General Advice

- Specific treatment (see supplemental instructions on the administration of antidotes on this label)

Skin

- IF ON SKIN: Wash with plenty of soap and water.
- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.

Storage

- None

Disposal

- Dispose of contents/container to an approved waste disposal plant.

Hazard Not Otherwise Classified (HNOC)

Not applicable.

Other information

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

64.47334% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Limestone	1317-65-3	15-40	*
Mica	12001-26-2	7-13	*
Titanium dioxide	13463-67-7	1-5	*
Kaolin	1332-58-7	1-5	*
Quartz	14808-60-7	1-5	*
Feldspar	68476-25-5	1-5	*
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine	4719-04-4	0.1-1	*
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	0.1-1	*
Diuron	330-54-1	< 0.1	*
3-Iodo-2-propynyl butylcarbamate	55406-53-6	< 0.1	*
Ethanolamine	141-43-5	< 0.1	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4. FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects May cause allergic skin reaction. Itching. Hives. Rashes.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical
No information available.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Avoid sanding and grinding surfaces containing dried paint film.

Environmental Precautions

Environmental Precautions Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. Collect spillage. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid sanding and grinding surfaces containing dried paint film. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH

Limestone 1317-65-3	-	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³	TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust
Mica 12001-26-2	TWA: 3 mg/m³	TWA: 20 mppcf (<1% crystalline silica) 3 mg/m³ (vacated)	IDLH: 1500 mg/m³ containing <1% quartz TWA: 3 mg/m³ respirable dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m³	TWA: 15 mg/m³ total dust (vacated) TWA: 10 mg/m³ total dust	IDLH: 5000 mg/m³
Kaolin 1332-58-7	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Quartz 14808-60-7	TWA: 0.025 mg/m³ respirable particulate matter	30/(%SiO2+2) mg/m³ TWA, Total Dust;250/%SiO2+5) mppcf TWA, respirable fraction; 10/(%SiO2+2) mg/m³ TWA, respirable TWA: 0.1 mg/m³ (vacated)	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Feldspar 68476-25-5	TWA: 10 mg/m³ (inhal) 3 mg/m³ (resp) PNOC	TWA: 5 mg/m³ (resp) 15 mg/m³ (total) PNOC	-

Appropriate engineering controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection If splashes are likely to occur, wear: Safety glasses with side-shields.
Skin and Body Protection Wear protective gloves/clothing. Impervious gloves.
Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid.
Appearance Brown.
Odor Slight.
Odor Threshold No information available.

Property	Values	Remarks/ - Method
pH	8 - 10	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	> 100 °C	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	>1	None known
Water Solubility	Miscible with water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	90-110 K.U.	None known

Flammable Properties Not flammable

Explosive Properties No data available
Oxidizing Properties No data available

Other information

VOC Content (%) No data available
VOC (g/l) 50 g/l

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation No known effect based on information supplied.
Eye Contact No known effect based on information supplied.
Skin Contact May cause allergic skin reaction. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion No known effect based on information supplied.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Titanium dioxide	> 10000 mg/kg (Rat)	-	> 6820 mg/m^3
Kaolin	> 5 g/kg (Rat)	-	-
Quartz	-	-	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Allergic skin reactions or irritation. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest

pain, muscle pain, or flushing

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization May cause sensitization by skin contact.
Mutagenic Effects No information available.
Carcinogenicity This product contains titanium dioxide which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is a liquid. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide		Group 2B		X
Quartz	A2	Group 1	Known	X
Petroleum distillates, hydrotreated heavy paraffinic	A2	Group 1	Known	X

ACGIH: (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)
Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)
X - Present

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Target Organ Effects Skin.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product
Unknown acute toxicity 64.47334% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine 4719-04-4	-	-	EC50 = 28.9 mg/L 15 min	-

Persistence and Degradability No information available.

Bioaccumulation No information available.

Chemical Name	Log Pow
Diuron	2.82
Ethanolamine	-1.91

Other Adverse Effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA All components of this product are either listed or are exempt on the TSCA inventory.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Feldspar	68476-25-5	1.04895	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Diuron	100 lb			X

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Diuron	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Titanium dioxide	13463-67-7	Carcinogen
Quartz	14808-60-7	Carcinogen
Diuron	330-54-1	Carcinogen

U.S. State Right-to-Know Regulations

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Limestone	X	X	X		X
Mica	X	X	X		X
Titanium dioxide	X	X	X	-	X
Kaolin	X	X	X		X
Quartz	X	X	X	-	X
Petroleum distillates, hydrotreated heavy paraffinic				X	

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	**Health Hazard** 2	**Flammability** 0	**Instability** 0	**Physical and Chemical Hazards** -
HMIS	**Health Hazard** 2	**Flammability** 0	**Physical Hazard** 0	**Personal Protection** X

Prepared By Master Wall Inc.
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Issuing Date 29-Nov-2016

Revision Date 29-Nov-2016

Revision Note Initial Release.

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Master Wall Inc.®
Building a Culture of Excellence

PO Box 397
Fortson, GA 31808

800-755-0825

SAFETY DATA SHEET

Issuing Date: 1 April 2016 Revision Date: 1 October 2018 Revision Number: 1

SECTION 1 – PRODUCT IDENTIFICATION

Product Name: SuperiorFlash, RollerFlash

Other means of identification
Synonyms: None

Recommended use of the chemical and restrictions on use
Recommended Use: Restricted to professional users.
Uses advised against: No information available

Supplier's details

Supplier Address
Master Wall Inc.®
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency telephone number
Emergency Telephone Number: 1-800-535-5053

SECTION 2 – HAZARDS IDENTIFICATION

Classification

Reproductive toxicity: Category 1B

Label elements, including precautionary statements

Emergency Overview

Danger

Hazard statements: May damage fertility or the unborn child

Appearance: Light Blue **Physical State:** Paste/Gel Liquid. **Odor** Mild

We finish strong.
masterwall.com

Precautionary Statements

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.

Response

IF exposed or concerned: Get medical advice/attention.

Storage

Store locked up.

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazard Not Otherwise Classified (HNOC)

Other information

No information available

SECTION 3 – COMPOSOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Proprietary - Silyl Terminated Polyether	Undisclosed	10 - 30	*
Limestone	1317-65-3	10 - 30	*
Precipitated Calcium Carbonate	471-34-1	10 - 30	*
Polypropylene glycol	25322-69-4	10 - 30	*
Stearic acid	57-11-4	1 - 5	*
Aminoethyl aminopropyl trimethoxy silane	1760-24-3	1 - 5	*
Hydrophobic Silica	67762-90-7	1 - 5	*
Dibutyltin Diacetyldiacetonate	22673-19-4	0.1 - 1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 – FIRST AID MEASURES

Description of necessary first-aid measures

General advice: If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing.

Eye contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact: Wipe off material with a dry cloth. Wash with soap and water. Consult a physician if necessary.

Inhalation: Remove to fresh air. If symptoms persist, call a physician.

Ingestion: Do NOT induce vomiting. Drink plenty of water. Rinse mouth. If symptoms persist, call a physician.

Self-protection of the first aider: Use personal protective equipment as required.

Most important symptoms/effects, acute and delayed

Symptoms: May cause irritation. May be harmful if swallowed.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Small Fire: Dry chemical or CO2 Foam.
Large Fire: Water spray or fog. Foam.
Unsuitable Extinguishing Media: Caution: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 – ACCIDENTIAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists.

Environmental Precautions

Environmental Precautions: Do not flush into surface water or sanitary sewer system. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

Methods and materials for containment and cleaning up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Avoid contract with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

Incompatible Products: Acids, Strong oxidizing agents.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Limestone 1317-65-3	-	TWA: 15 mg/m3 TWA: 5 mg/m3 (vacated) TWA: 15 mg/m3 (vacated) TWA: 5 mg/m3	TWA: 5 mg/m3 respirable dust TWA: 10 mg/m3 total dust
Precipitated Calcium Carbonate 471-34-1	-	-	TWA: 5 mg/m3 respirable dust TWA: 10 mg/m3 total dust
Dibutyltin Diacetyldiacetonate 22673-19-4	STEL: 0.2 mg/m3 Sn TWA: 0.1 mg/m3 Sn S*	TWA: 0.1 mg/m3 Sn (vacated) TWA: 0.1 mg/m3 Sn (vacated) S*	IDLH: 25 mg/m3 Sn TWA: 0.1 mg/m3 except Cyhexatin Sn

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Measures: None under normal use conditions.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Wear safety glasses with side shields (or goggles).

Skin and Body Protection: Wear protective gloves and protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures: Avoid contact with eyes, skin and clothing. Wash contaminated clothing before reuse. Use personal protective equipment as required.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State: Paste/Gel Liquid.
Odor: Mild.
Color: Light Blue

Appearance: No information available.
Odor Threshold: No information available.

Property	Values	Remarks/ - Method
pH	Not Applicable	
Melting Point/Range	No information available	
Boiling Point/Boiling Range	No information available	
Flash Point	> 100 °C / > 212° F	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limits in Air		
upper flammability limit	No information available	
lower flammability limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Specific Gravity	1.45 – 1.6	
Water Solubility		
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	

SECTION 10 – STABILITY AND REACTIVITY

Reactivity
No data available.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
None under normal processing.

Conditions to avoid
Extremes of temperature and direct sunlight.

Incompatible materials
Acids, Strong oxidizing agents.

Hazardous decomposition products
Carbon Oxides.

SECTION 11 – TOXOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information: May be harmful by inhalation, ingestion, or skin absorption.

Inhalation: Avoid breathing vapors or mists.
Eye Contact: Avoid contact with eyes.
Skin Contact: Avoid contact with skin.
Ingestion: Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Precipitated Calcium Carbonate 471-34-1	= 6450 mg/kg (Rat)	-	-
Polypropylene glycol 25322-69-4	> 2 g/kg (Rat)	-	-
Stearic acid 57-11-4	-	> 5 g/kg (Rabbit)	-
Aminoethyl aminopropyl trimethoxy silane 1760-24-3	= 7460 µL/kg (Rat)	-	-

Information on toxicological effects

Symptoms May cause irritation. May be harmful if swallowed.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity May damage fertility or the unborn child.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 5815 mg/kg
ATEmix (dermal) 19017 mg/kg mg/l

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated.

Persistence and Degradability: No information available.
Bioaccumulation: No information available.

Other Adverse Effects
No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging: Do not re-use empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

SECTION 14 – TRANSPORT INFORMATION

DOT	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

SECTION 15 – REGULATORY INFORMATION

International Inventories

TSCA	Complies.
DSL/NDSL	Complies.

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory Complies
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any

chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Limestone 1317-65-3	X	X	X
Quartz 14808-60-7	X	X	X

SECTION 16 – OTHER INFORMATION

NFPA **Health Hazard** 2 **Flammability** 1 **Instability** 0 **Physical and Chemical Hazards** -

HMIS **Health Hazard** 2 **Flammability** 1 **Physical Hazard** 0 **Personal Protection** X

Prepared By

Master Wall Inc.®
PO Box 397
Fortson, GA 10808
800-755-0824

Revision Date: 1 October 2018
Revision Note: No information available.

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

Master Wall Inc.®
Building a Culture of Excellence

PO Box 397
Fortson, GA 31808

800-755-0825

SAFETY DATA SHEET

Issuing Date: 1/1/2024 Revision Date: - Revision Number: 0

SECTION 1 – PRODUCT IDENTIFICATION

Product Name: SuperiorShield SMP Sealant

Other means of identification
Synonyms: None

Recommended use of the chemical and restrictions on use
Recommended Use: Adhesives, flashing and/or sealant
Uses advised against: No information available

Supplier's details

Supplier Address
Master Wall Inc.®
6975 Flat Rock Road
Midland, GA 31820
TEL: 706-569-0092

Emergency telephone number
Emergency Telephone Number: 1-800-535-5053 24/7 7 days

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture

Skin sensitization: Category 1
Reproductive toxicity: Category 1B

Emergency Overview

Danger

Hazard statements

May cause an allergic skin reaction

May damage fertility or the unborn child

Appearance: Paste **Physical State:** Solid **Odor** Odorless

Precautionary Statements

Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Wear protective gloves

Response

- IF exposed or concerned: Get medical advice/attention
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation or rash occurs: Get medical advice/attention
- Wash contaminated clothing before reuse

Storage

- Store locked up

Disposal

- Dispose of contents/ container to an approved waste disposal plant
- 0 % of the mixture consists of ingredient(s) of unknown toxicity

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

SECTION 3 – COMPOSOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade secret
Limestone	1317-65-3	30 - 60	*
Carbonic acid, calcium salt (1:1)	471-34-1	1 - <5	*
Trimethoxyvinylsilane	2768-02-7	0.1 - <1	*
Carbon black	1333-86-4	0.1 - <1	*
Quartz	14808-60-7	0.1 - <1	*
Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-	22673-19-4	0.1 - <1	*
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	0.1 - <1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 – FIRST AID MEASURES

Description of necessary first-aid measures

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact: Wash off immediately with plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

Inhalation: Remove to fresh air. If symptoms persist, call a physician.

Ingestion: Call a physician immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Small amounts of toxic methanol are released by hydrolysis.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects: None known.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician: Treat symptomatically. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media
Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.
Large fire: CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable Extinguishing Media: Full water jet.

Specific Hazards Arising from the Chemical
Thermal decomposition can lead to release of irritating gases and vapors. May cause sensitization by skin contact.

Hazardous combustion products: Carbon oxides. Carbon monoxide. Carbon dioxide (CO2). Silicon dioxide.

Explosion Data
Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge: None.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 – ACCIDENTIAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Personal Precautions: Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation.

Other Information: Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions
Environmental Precautions: Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up
Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Use personal protective equipment as required. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Handling: Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage: Protect from moisture. Keep away from food, drink and animal feeding stuffs.

Recommended storage temperature: Keep at temperatures between 50 and 95 °F / 10 and 35 °C.

Reference to other sections: Section 10: STABILITY AND REACTIVITY
Section 13: DISPOSAL CONSIDERATIONS

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

Exposure Limits: Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Limestone 1317-65-3	-	TWA: 15 mg/m^3 TWA: 5 mg/m^3 (vacated) TWA: 15 mg/m^3 (vacated) TWA: 5 mg/m^3	TWA: 5 mg/m^3 respirable dust TWA: 10 mg/m^3 total dust
Carbonic acid, calcium salt (1:1) 471-34-1	-	-	TWA: 10 mg/m^3 total dust TWA: 5 mg/m^3 respirable dust
Carbon black 1333-86-4	TWA: 3 mg/m^3 inhalable particulate matter	TWA: 3.5 mg/m^3 (vacated) TWA: 3.5 mg/m^3	IDLH: 1750 mg/m^3 TWA: 3.5 mg/m^3 TWA: 0.1 mg/m^3 Carbon black in presence of Polycyclic aromatic hydrocarbons PAH

Quartz 14808-60-7	TWA: 0.025 mg/m^3 respirable particulate matter	TWA: 50 µg/m^3 TWA: 50 µg/m3 excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays (vacated) TWA: 0.1 mg/m^3 respirable dust: (250)/(%SiO2 + 5) mppcf TWA respirable fraction: (10)/(%SiO2 + 2) mg/m^3 TWA respirable fraction	IDLH: 50 mg/m^3 respirable dust TWA: 0.05 mg/m^3 respirable dust
Tin, dibutylbis(2,4-pentanedionato-O, O')-, (OC-6-11)- 22673-19-4	STEL: 0.2 mg/m^3 Sn TWA: 0.1 mg/m^3 Sn S*	TWA: 0.1 mg/m^3 Sn (vacated) TWA: 0.1 mg/m^3 Sn (vacated) S*	IDLH: 25 mg/m^3 Sn TWA: 0.1 mg/m^3 except Cyhexatin Sn

Exposure controls

OTHER INFORMATION Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl alcohol 67-56-1	STEL: 250 ppm TWA: 200 ppm S*	TWA: 200 ppm TWA: 260 mg/m^3 (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m^3 (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m^3 (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m^3 STEL: 250 ppm STEL: 325 mg/m^3

Appropriate engineering controls

Engineering Measures: Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Wear safety glasses with side shields (or goggles).

Hand Protection: Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures: Wear suitable gloves and eye/face protection. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Wash hands before breaks and after work. Take off contaminated clothing and wash it before reuse. Regular cleaning of equipment, work area and clothing is recommended.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State:	Solid.	**Appearance:**	Paste.
Odor:	Odorless.	**Odor Threshold:**	Not applicable.

Property	Values	Remarks/ - Method
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	>= 140°C / 284°F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
upper flammability limit	No data available	
lower flammability limit	No data available	
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Miscible with water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

Other information

Explosive properties	No information available	
Oxidizing properties	No information available	
Solvent content (%)	No information available	
Solid content (%)	>= 97	
Softening Point	No information available	
Molecular weight	No information available	
VOC Content (%)	< 2 % 20 g/L	No information available
Liquid Density	1.65 g/cm³	
Bulk density	No information available	

SECTION 10 – STABILITY AND REACTIVITY

Reactivity

Product cures with moisture.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

Carbon monoxide Carbon dioxide (CO2) Nitrogen oxides (NOx) Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

SECTION 11 – TOXOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information:

Inhalation: Based on available data, the classification criteria are not met.
Eye Contact: Based on available data, the classification criteria are not met.
Skin Contact: May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Ingestion: Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms: Itching. Rashes. Hives.

Acute toxicity
Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (dermal) 83,823.10 mg/kg
ATEmix (inhalation-vapor) 709.90 mg/l

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Limestone 1317-65-3	>5000 mg/kg (Rattus)	-	-
Carbonic acid, calcium salt (1:1) 471-34-1	LD50 > 2000 mg/kg (Rattus) OECD 420	LD50 >2000 mg/kg (Rattus) OECD 402	LC50 (4h) >3mg/ml (Rattus)
Trimethoxyvinylsilane 2768-02-7	LD50 = 7120 -7236 mg/kg (Rattus) OECD 401	= 3540 mg/kg (Oryctolagus cuniculus)	LC50 (4hr) 16.8 mg/l (Rattus) OECD TG 403

N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	=2295 mg/kg (Rattus)	>2000 mg/Kg (Rattus)	LC50 4H (Aerosol)1.5 - 2.44 mg/L air
Carbon black 1333-86-4	LD50 > 8000 mg/kg (Rattus) OECD 401	> 3 g/kg (Oryctolagus cuniculus)	IDLH: 1750 mg/m^3 > 4.6 mg/m3 (Rat) 4 h
Quartz 14808-60-7	>2000 mg/kg (Rattus)	-	-
Tin, dibutylbis(2,4-pentanedionato-O, O')-, (OC-6-11)-22673-19-4	LD50 = 1864 mg/kg (Rattus) OECD 401	LD50 > 2000 mg/kg (Rattus) OECD 402	LC50 4hr: 16.8 mg/l (Rattus) (OECD TG 403)
Bis(2,2,6,6-tetramethyl-4 piperidyl) sebacate 52829-07-9	LD50 (Rattus)> 2000 mg/kg OECD 423	LD50 (Rattus) > 3 170 mg/kg OECD 402	=500 mg/m3 (Rattus) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal	0.5 mL	24 hours	Non-irritant

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal			Non-irritant

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Eye		24 hours	Non-irritant

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	Eye			Eye Damage

Respiratory or skin sensitization May cause sensitization by skin contact.

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	Not a skin sensitizer

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig		No sensitization responses were observed

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Results
OECD Test No. 471: Bacterial Reverse Mutation Test	In vitro	Not mutagenic

Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)- (22673-19-4)

Method	Species	Results
OECD Test No. 476: In vitro Mammalian Cell Gene Mutation Test	In vitro	Mutagenic

Carcinogenicity Based on available data, the classification criteria are not met. As Carbon black (1333-86-4) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses. As Quartz (14808-60-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Carbon black 1333-86-4	A3	Group 2B	-	X
Quartz 14808-60-7	A2	Group 1	Known	X

Legend
ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Reproductive toxicity Contains a known or suspected reproductive toxin. May cause harm to breast-fed children.

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Results
OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test	Rat	Not Classifiable

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

Method	Species	Results
OECD Test No. 414: Prenatal Development Toxicity Study	Rat, Rabbit	Reproductive toxicant

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Trimethoxyvinylsilane (2768-02-7)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 413: Subchronic Inhalation Toxicity: 90-day Study	Rat	Inhalation vapor		90 days	0.058 NOAEL

Target organ effects Eyes, Lungs, Respiratory system, Skin.

Aspiration hazard Based on available data, the classification criteria are not met.

Other adverse effects No information available.

Interactive effects No information available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Limestone 1317-65-3	CE50 (72h) >200mg/L Algae (Desmondesmus subspicatus)	CL50 (96h)>10000mg/L (Oncorhynchus mykiss)	-	CE50 (48h) >1000 mg/L Daphnia Magna
Carbonic acid, calcium salt (1:1) 471-34-1	IC50 72H Algae >1000 mg/l	CL50 96H >1000 mg/l	-	EC50 48H Daphnia >1000 mg/l
Trimethoxyvinylsilane 2768-02-7	EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3	LC50 (96h) = 191 mg/l (Oncorhynchus mykiss)	-	EC50(48hr) 168.7mg/l (Daphnia magna)
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	-	LC50 (96H) =597 mg/L (Danio rerio)Semi-static	-	EC50 (48h) =81mg/L Daphnia magna Static
Carbon black 1333-86-4	>10000 mg/l (Desmodesmus subspicatus) OECD 202	>1000 mg/l (Brachydanio rerio) OCDE 203	-	EC50: >5600mg/L (24h, Daphnia magna)
Tin, dibutylbis(2,4-pentanedionato-O, O')-, (OC-6-11)- 22673-19-4	>2.0 mg/l	>2.0 mg/l	-	EC50 0.0036 mg/l 48Hr (Daphnia magna)
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9	EC50 72Hr 0.705 mg/l (Pseudokirchnerella subcapitata)	LC50 (96h) = 5.29 mg/l (Oryzias latipes)	-	LC50 48Hr 8.58 mg/l (Daphnia magna)

Persistence and Degradability: No information available.

Bioaccumulation: There is no data for this product.

Component Information

Chemical Name	Partition Coefficient
Limestone 1317-65-3	0.9
Trimethoxyvinylsilane 2768-02-7	1.1
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	-0.3
Tin, dibutylbis(2,4-pentanedionato-O, O')-, (OC-6-11)- 22673-19-4	-
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9	0.35

Mobility in soil

Mobility No information available.

Other adverse effects

Other adverse effects No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Uncured product should be disposed of as hazardous waste. Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Handle contaminated packages in the same way as the product itself.

SECTION 14 – TRANSPORT INFORMATION

Note: Keep from freezing The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition) 49 CFR 171.4(c) "Exceptions. Except when all or part of the transportation is by vessel, the requirements of this subchapter specific to marine pollutants do not apply to non-bulk packagings transported by motor vehicle, rail car or aircraft."

DOT

UN number or ID number	UN3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
Transport hazard class(es)	9
Packing Group	III
Special Provisions	146, 335, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33, 8
Marine Pollutant	Np
Description	UN3077, Environmentally hazardous substance, solid, n.o.s., 9, III, (Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-, Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate), Marine Pollutant
Emergency Response Guide Number	171

IATA

UN number or ID number	UN3077
UN proper shipping name	Environmentally hazardous substance, solid, n.o.s.
Transport hazard class(es)	9
Packing group	III
Special Provisions	A97, A158, A179, A197, A215
Description	UN3077, Environmentally hazardous substance, solid, n.o.s., 9, III, (Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-, Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate), Marine Pollutant

IMDG

UN number or ID number	UN3077
UN proper shipping name	Environmentally hazardous substance, solid, n.o.s.

Transport hazard class(es)	9
Packing group	III
EmS-No	F-A, S-F
Special Provisions	274, 335, 966, 967, 969
Marine pollutant	P
Description	UN3077, Environmentally hazardous substance, solid, n.o.s., 9, III, (Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-, Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate), Marine Pollutant

SECTION 15 – REGULATORY INFORMATION

International Inventories

TSCA	Listed
DSL	Listed

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL - Canadian Domestic Substances List
Listed - The components of this product are either listed or exempt from listing on inventory.
Not Listed - One or more components of this product are not listed on inventory.

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

Europe

Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation. This document is based on the information given to us by our own suppliers at the date of this document.

SVHC: Substances of Very High Concern for Authorization:
This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical name	CAS No	SVHC candidates
Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-	22673-19-4	X
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	25973-55-1	X

SECTION 16 – OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Prepared By Product Safety & Regulatory Affairs.

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Prepared By

Master Wall Inc.®
PO Box 397
Fortson, GA 10808
800-755-0824

Revision Date: -
Revision Note: No information available.

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet