



SAFETY DATA SHEET

Document #: SDS 002

Revision: 1

Issue Date: 6/18/2015

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MASTER YOUR WORLD

EMPTGS- The Good Stuff—White and Clear Silicone

Section 1: Product and Company Identification

Earth Master Products
PO Box 136
Fischer, TX 76023
Phone: 830-522-5100
Fax: 830-935-2982

Emergency Phone Number
Infotrac: +1-800-535-5053 (Within US)
Infotrac: +1-352-323-3500 (Outside US)

Product Identifier: EMPGM1-Groutmatch
Recommended Use: Joint Compound
Restrictions on Use: None known

Section 2: Hazard(s) Identification

GHS Classification: Not a hazardous substance or mixture.

Acute Effects: No information on significant adverse effects.

Delayed Effects: No information on significant adverse effects.

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed: Treat symptomatically and supportively.

GHS Label Elements

Symbol(s): None.

Signal Word: None.

Hazard Statement(s): None known.

Precautionary Statement(s) Prevention: Use only outdoors or in a well-ventilated area. Avoid release to the environment.

Response: None known.

Storage: Keep in properly labeled containers. Store in accordance with the particular national regulations.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

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Section 3: Composition/Information on Ingredients

<u>CAS</u>	<u>Component</u>	<u>Percent</u>
7631-86-9	Silicon dioxide	5 - <10
64742-46-7	Distillates (petroleum), hydrotreated middle	5 - <10
13463-67-7	Titanium dioxide	1 - <5
7429-90-5	Aluminum	1 - <5
1333-86-4	Carbon black	0.1 - <1

Section 4: First-Aid Measures

Inhalation:	IF INHALED: Remove to fresh air. Get medical attention if symptoms occur.
Skin Contact:	IF ON SKIN: Wash with soap and water as a precaution. Get medical advice/attention if symptoms occur.
Eye Contact	IF IN EYES: Flush eyes with water as a precaution. If eye irritation develops and persists: Get medical advice/attention.
Ingestion	If swallowed, DO NOT induce vomiting. Get immediate medical attention if symptoms occur. Rinse mouth thoroughly with water.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:	Use carbon dioxide, regular dry chemical, alcohol-resistant foam or water.
Unsuitable Extinguishing Media:	None known.
Specific Hazards Arising from the Chemical Hazardous Decomposition Products:	Upon decomposition, this product emits carbon oxides, silicon oxides, formaldehyde, and metal oxides.
Special Protective Equipment and Precautions for Firefighters:	Exposure to combustion products may be a hazard to health.
Specific extinguishing methods:	Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

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Section 6: Accidental Release Measures

<p>Personal Precautions, Protective Equipment and Emergency Procedures:</p> <p>Environment Precautions:</p> <p>Methods and Materials for Containment and Cleaning Up:</p>	<p>Follow safe handling advice and personal protective equipment recommendations.</p> <p>Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminate wash water. Local authorities should be advised if significant spillages cannot be contained.</p> <p>Absorb with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases.</p>
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Section 7: Handling and Storage

<p>Precautions for Safe Handling Protective Measures:</p> <p>Advice on General Occupational Hygiene:</p> <p>Conditions for Safe Storage, including any Incompatibilities:</p> <p>Incompatibilities:</p>	<p>Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.</p> <p>Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Wash contaminate clothing before reuse.</p> <p>Store and handle in accordance with all current regulations and standards. Keep in properly labeled containers. Keep separated from incompatible substances.</p> <p>Strong oxidizing materials</p>
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Section 8: Exposure Controls/Personal Protection

Component Exposure Limits		
CAS	Components	Exposure Limits
7631-86-9	Silicon dioxide	OSHA Z-3: 20 million particles/ft ³ (Silica) TWA (dust); 80 mg/m ³ / %SiO ₂ (Silica) TWA (dust)
		NIOSH REL: 6ma/m ³ (Silica) TWA
64742-46-7	Distillates (petroleum), hydrotreated middle	OSHA Z-1: 5mg/m ³ TWA (mist) OSHA P0: 5mg/m ³ TWA (mist)

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		NIOSH REL: 5 ma/m3 TWA (mist): 10 ma/m3 ST (mist)
13463-67-7	Titanium dioxide	ACGIH: 10 ma/m3 TWA
		OSHA Z-1: 15 ma/m3 TWA (total dust)
7429-90-5	Aluminum	ACGIH: 1 ma/m3 TWA (respirable fraction)
		OSHA Z-1: 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
		NIOSH REL: 5 mg/m3 TWA (respirable fraction); 10 mg/m3 TWA (total); 5 mg/m3 TWA (pyro powders)
1333-86-4	Carbon black	ACGIH: 3 ma/m3 TWA (inhalable fraction)
		OSHA Z-1: 3.5 ma/m3 TWA
		NIOSH REL: 3.5 ma/m3 TWA

Appropriate Engineering Controls

Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Ensure compliance with applicable exposure limits. Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at work-places have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m3 - total dust, 5 mg/m3 - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m3 - respirable particles, 10 mg/m3 - inhalable particles.

Individual Protection Measures

Eye/Face Protection:

Wear safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection:

Skin should be washed after contact.

Hand Protection:

Wash hands before breaks and at the end of workday.

Respiratory Protection:

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

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Section 9: Physical and Chemical Properties

Physical State: Liquid
Color: In accordance with product description
Odor: Acetic Acid
pH: Not applicable
Boiling Point: Not applicable
Flash Point: >100 °C (closed cup)

Appearance: Paste
Physical Form: Paste
Odor Threshold: Not available
Melting Point: Not available
Decomposition: Not available
Evaporation Rate: Not applicable

OHA Flammability Class: Not classified as a Flammability hazard

Vapor Pressure: 1.007

Vapor Density (air = 1): Not available
Specific Gravity (water = 1): Not available
Log KOW: Not available
KOC: Not available
Viscosity: Not applicable
Volatility: Not available

Density: Not available
Water Solubility: Not available
Coeff. Water/Oil Dist: Not available
Auto Ignition: Not available
VOC: Not available
Molecular Formula: Not available

Section 10: Stability and Reactivity

Reactivity: Not classified as a reactivity hazard.

Chemical Stability: Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions: Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Acetic acid is formed upon contact with water or humid air. When heated to temperatures above 150 °C (300 °F) in the presence of air, trace quantities of formaldehyde may be released. See OSHA formaldehyde standard, 29 CFR 1910.1048 Hazardous decomposition products will be formed at elevated temperatures.

Conditions to Avoid: None known.

Incompatible Materials: Strong oxidizing materials

Hazardous Decomposition Products: Upon decomposition, this product emits carbon oxides, silicon oxides, formaldehyde, and metal oxides.

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Section 11: Toxicological Information					
<u>Acute Toxicity</u>					
Component Analysis – LD50/LC50					
CAS	Component	Result	Species	Dose	Exposure
7631-86-9	Silicon dioxide	LD50 Oral	Rat	>3300 ma/ka	N/A
		LC50 Inhalation	Rat	>2.08 mg/L	4 hr
		LD50 Dermal	Rabbit	>5000 ma/ka	N/A
64742-46-7	Distillates (petroleum), hydrotreated middle	LD50 Oral	Rat	>5000 ma/ka	N/A
		LC50 Inhalation	Rat	1.78 ma/L	4 hr
		LD50 Dermal	Rat	>2000 ma/ka	N/A
13463-67-7	Titanium dioxide	LD50 Oral	Rat	>10000 ma/ka	N/A
		LC50 Inhalation	Rat	>5000 ma/ka	4 hr
7429-90-5	Aluminum	LD50 Oral	Rat	>5000 ma/ka	N/A
		LC50 Inhalation	Rat	>0.888 ma/L	4 hr
1333-86-4	Carbon black	LD50 Oral	Rat	>5000 ma/ka	N/A
		LC50 Inhalation	Rat	>0.0046 ma/L	4 hr
Information on Likely Routes of Exposure					
Inhalation:		Not classified based on available information.			
Ingestion:		Not classified based on available information.			
Skin Contact:		Not classified based on available information.			
Eye Contact:		Not classified based on available information.			
Immediate Effects:		Not classified based on available information.			
Delayed Effects:		No information is available.			
Medical Conditions Aggravated by		No information is available.			
Exposure:		Not classified based on available information.			
Irritation/Corrosivity Data:		Not classified based on available information.			
Respiratory Sensitization:		Not classified based on available information.			
Dermal Sensitization:		Not classified based on available information.			
Germ Cell Mutagenicity:		Not classified based on available information.			
Carcinogenicity:		Not classified based on available information.			

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Component Carcinogenicity		
CAS	Component	Result
13463-67-7	Titanium dioxide	IARC: Group 2B (possibly carcinogenic to humans)
		OHSA: Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
		NTP: Not present at levels great than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
CAS	Component	IARC: Group 2B (possibly carcinogenic to humans)
		OHSA: Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
		NTP: Not present at levels great than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
<p>Reproductive Toxicity: Not classified based on available information.</p> <p>Specific Target Organ Toxicity-Single Exposure: No target organs identified.</p> <p>Specific Target Organ Toxicity-Repeated Exposure: No target organs identified.</p> <p>Aspiration Hazard: Not classified based on available information.</p>		

Section 12: Ecological Information						
Ecotoxicity						
No information available for the product.						
Component Analysis – Aquatic Toxicity						
CAS	Component	Aquatic	Result	Species	Dose	Exposure
13463-67-7	Titanium dioxide	Fish	LC50	Rainbow trout (Oncorhynchus mykiss)	>100 mg/L	96 hr
		Invertebrates	EC50	Water flea (Daphnia magna)	>100 mg/L	48 hr
		Algae	EC50	Marine diatom (Skeletonema costatum)	>10,000 mg/L	72 hr
		Bacteria	EC50	N/A	>1000 mg/L	3 hr

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CAS	Componen	Aquatic	Result	Species	Dose	Exposur
7429-90-5	Aluminum	Fish	LC50	Rainbow trout (Oncorhynchus mykiss)	14.6 mg/L	96 hr
		Invertebrates	EC50	Water flea (Daphnia magna)	>0.135 mg/L	48 hr
		Algae	EC50	Green algae (Pseudokirchneriella subcapitata)	>0.004 mg/L	72 hr
		Fish (Chronic toxicity)	NOEC	N/A	7.1 mg/L	28 d
1333-86-4	Carbon Black	Fish	LC50	Zebrafish (Danio rerio)	1000 mg/L	96 hr
		Invertebrates	EC50	Water flea (Daphnia magna)	>5600 mg/L	24 hr
		Algae	EC50	Green algae (Pseudokirchneriella subcapitata)	>0.004 mg/L	72 hr

Persistence and Degradability: No information available for the product.

Bioaccumulative Potential: No information available for the product.

Mobility in Soil: No information available for the product.

Biodegradation: No information available for the product.

Section 13: Disposal Considerations

Disposal Methods: Dispose in accordance with all applicable federal, state/regional and local laws and regulations. This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.

Disposal of Contaminated Packaging: Dispose of unused product properly. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Component Waste Numbers: The U.S. EPA has not published waste numbers for this product's components.

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Section 14: Transport Information

International Regulation

UNRTDG: Not regulated as a dangerous good.
 IATA-DGR: Not regulated as a dangerous good.
 IMDG-Code: Not regulated as a dangerous good.
 Transport in bulk according to Annex
 II of MARPOL 73/78 and the IBC Code: Not applicable for product as supplied.

Domestic Regulation

49 CFR: Not regulated as a dangerous good.

Section 15: Regulatory Information

US Federal Regulations

SARA 302 Extremely Hazardous

Substances: None contained in product.
 SARA 304: Not applicable.
 SARA 311/312: None known.
 SARA 313: Aluminum (7429-90-5) 1.6%

TSCA: All components of this product are listed on TSCA Inventory.

CERCLA Reportable Quantity:

CAS	Component	Component RQ (lbs)	Calculated Product RQ (lbs)
108-24-7	Acetic anhydride	5000	Exceeds reasonably attainable upper limit.
64-19-7	Acetic acid	5000	Exceeds reasonably attainable upper limit.

US State Regulations

Pennsylvania Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxyl-terminated	70-90%
7631-86-9	Silicon dioxide	5-10%
64742-46-7	Distillates (petroleum), hydrotreated middle	5-10%
1332-37-2	Iron oxide	1-5%
13463-67-7	Titanium oxide	1-5%
7429-90-5	Aluminum	1-5%
64-19-7	Acetic Acid	0-0.1%
108-24-7	Acetic anhydride	0-0.1%

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New Jersey Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxyl-terminated	70-90%
7631-86-9	Silicon dioxide	5-10%
64742-46-7	Distillates (petroleum), hydrotreated middle	5-10%
1332-37-2	Iron oxide	1-5%
13463-67-7	Titanium oxide	1-5%
7429-90-5	Aluminum	1-5%
1333-86-4	Carbon Black	0.1-1%

California Proposition 65: This Product does not contain any chemicals known by the State of California to cause cancer or reproductive harm.

Component Analysis – International Inventories

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Silicon dioxide	7631-86-9	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Distillates (petroleum), hydrotreated middle	64742-46-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Aluminum	7429-90-5	Yes	DSL	REACH	Yes	Yes	N/A	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes

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NFPA Ratings:

Health: 1

Fire: 1

Reactivity: 0



HMIS III: Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = Not Significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

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Key/Legend:

AICS (Australia); DSL (Canada); IECSC (China); REACH (European Union); ENCS (Japan); ISHL (Japan); KECI (Korea); NZIoC (New Zealand); PICCS (Philippines); TCSI (Taiwan); TSCA (USA); ACGIH – USA. ACGIH Threshold Limit Values (TLV); NIOSH REL – USA. NIOSH Recommended Exposure Limits; OSHA P0 – USA. OSHA – TABLE Z-1 Limits for Air Contaminants – 1910.1000; OSHA Z-1 – USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminates; OSHA Z-3 – USA. Occupational Exposure Limits (OSHA) – Table Z-3 Mineral Dusts; ACGIH / TWA – 8-hour, time-weighted average; NIOSH REL / TWA – Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek; NIOSH REL / ST – STEL – 15-minute TWA exposure that should not be exceeded at any time during a workday; OSHA P0 / TWA - 8-hour, time-weighted average; OSHA Z-1 / TWA - 8-hour, time-weighted average; OSHA Z-3 / TWA - 8-hour, time-weighted average

Disclaimer:

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations.

End of Document