

# MATERIAL SAFETY DATA SHEET

## 1. Chemical Product and Company Identification

**PRODUCT: EMPGM1**

**Manufactured by:** Earth Master Products  
P.O. Box 136  
Fischer, TX 78623

**Revised:** 02/06/06 **Reviewed:** 02/01/10  
**Chemical Family/Use:** Silicone Rubber  
**Formula:** Mixture

**Phone:** (830) 522-5100

**Generic Description:** Silicone Elastomer

**NFPA Profile:** Health NA

**Flammability (NFPA):** 0

**Reactivity** 0

**Physical Form:** Paste

**Color:** Groutmatch

**Odor:** Some Odor

**CAS NO:** Mixture

**Health (NFPA):** 2

Note: NFPA = National Fire Protection Association

## 2. Composition/Information of Ingredients

<u>Product Composition</u> <u>CAC REG NO.</u>	<u>Approx.</u> <u>Wgt. %</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>		<u>UNITS</u>
		<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>	
<b>1. Hazardous</b>						
Methyltriacetoxysilane 4253-34-3	1 - 5	10(R)	NE	10(R)	NE	PPM
<b>B. Non Hazardous</b>						
Trade Secret Component	5 - 10	NF	NE	NF	NE	NA
Trade Secret Component	5 - 10	10	NE	15	NE	MG/M3
Dimethyl Polsiloxane Silanol/St 70131-67-8	60 - 80	NA	NE	NA	NE	NA
Dimethylpolysiloxane 63148-62-9	5-10	NA	NE	NA	NE	NA

## 3. Hazards Identification

### Emergency Overview:

White Solid  
Vinegar Odor  
Avoid contact with eyes  
May irritate the skin  
Uncured product contact irritates eyes  
Refer to other MSDS sections for detailed information

### Potential Health Effects:

**Ingestion:**

May be harmful if swallowed

**Skin Contact:**

Uncured product contact will irritate lips, gums and tongue.  
Uncured product contact may irritate skin

**Inhalation:**

Causes mild respiratory irritation. Applies only in uncured state.

**Eye Contact:**

Uncured product contact irritates Eyes.

**Medical Conditions Aggravated:**

Respiratory

**Subchronic (Target Organ) Effects:**

None Known

**Chronic Effects/Carcinogenicity:**

This product or one of its ingredients present 0.1 % or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA

**Products/Ingredients:**

This space reserved for special use.

**Principle routes or exposure:**

Dermal - skin  
Eyes  
Inhalation

**Other:**

Acetic Acid released during curing

This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 °F (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard.

**4. FIRST AID MEASURES**

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**Skin:** To clean form skin, remove completely with a dry cloth or paper towel, before washing with detergent and water. Get medical attention if irritation persists.

**Inhalation:** Move person to fresh air.

**Eyes:** In case of contact, immediately flush eyes with plenty of water for a least 15 minutes and get Medical attention if irritation persists.

**Note to Physician:** None Known

**5. FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	NA	(C)NA	(F)
<b>Method:</b>	NA		
<b>Ignition Temp:</b>	UNK	(C)UNK	(F)
<b>Flammable Limits in air - Lower (%):</b>	UNK		
<b>Flammable Limits in air - Upper (%):</b>	UNK		
<b>Sensitivity to Mechanical Impact (Y/N):</b>	No		
<b>Sensitivity to Static Discharge:</b>	Sensitivity to static discharge is not expected.		
<b>Extinguishing Media:</b>	All standard Fire-fighting media		
<b>Special Fire-fighting Procedures:</b>	None Known.		

**6. ACCIDENTAL RELEASE MEASURES**

**Action To Be Taken If Material Is Released Or Spilled:**

Wipe, scrape or soak up in any inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.

**7. HANDLING AND STORAGE**

**Precautions to be taken in handling and storage:**

Avoid contact with skin and eyes. (Caution) Remove contact lenses before using sealant. Do not handle lense until all sealant has been cleaned from the fingertips, nails, and cuticles. Residual sealant my remain on fingers for several days and transfer to lenses and cause severe eye irritation. Product releases acetic acid during application and curing. Use mechanical ventilation to stay below TLV or 10 ppm acetic acid. Uncured product contact irritates eye. Uncured product contact may irritate skin. Use in a well ventilated area to prevent irritation by vapors.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls:

- Eyewash stations
- Use in a well ventilated area.
- Localized ventilation should be used to control dust levels.

### Respiratory Protection:

- Use in a well ventilated area.

### Protective Gloves:

- Cloth gloves

### Eye and Face Protection:

- Safety Glasses

### Other protective Equipment:

- None Known

### Ventilation:

- Use only in well ventilated areas. Mechanical ventilation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Product Information:

Boiling Point	:	NA	(C)NA	(F)
Vapor Pressure (20C) (MM HG)	:	NA		
Vapor Density (Air =1)	:	NA		
Freezing Point	:	NA	(C)NA	(F)
Melting Point	:	NA	(C)NA	(F)
Physical State	:	Solid		
Odor	:	Acetic Acid		
Colors	:	Groutmatch		
Odor Threshold (ppm)	:	UNK		
% Volatile by Volume	:	<8		
Evap. Rate (Butyl Acetate=1)	:	<1		
Specific Gravity (Water=1)	:	1.01		
Density (KG/M3)	:	1040		
Acid/Alkalinity (MEQ/G)	:	UNK		
PH	:	NA		
VOC (EPA METH.24) (G/L)	:	31		
Solubility in Water (20C)	:	Insoluble		
Solubility in Organic Solvent (State Solvent):	:	Toluene		

## 10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will Not Occur
Hazardous Thermal Decomposition/Combustion Products:	
Carbon monoxide	
Carbon Dioxide	
Silicone Dioxide	
Acetic Acid	
Formaldehyde	
Incompatibility (Materials to Avoid):	None Known
Conditions to Avoid:	None Known

## 11. TOXICOLOGICAL INFORMATION

**Methyltriacetoxysilane**  
**Acute Oral LD50 (MG/KG):** 2,060 (RAT)  
**Acute Dermal LD50(MG/KG):** None Found  
**Acute Inhalation LC50(MG/L):** None Found  
**Other:** None

**AMES Test:**  
**Trade Secret Component**  
**Acute oral LF50 (MG/KG):** >40,000 RAT,ESTM  
**Acute Dermal LD50(MG/KG):** None Found  
**Acute inhalation LC50(MG/L):** >535 MG/L ESTM  
**Other:** None

**AMES Test:**  
**Dimethyl Polysiloxane Silanol/ST**  
**Acute Oral LD50 (MG/KG):** RAT >40,000  
**Acute Dermal LD50 (MG/KG):** Unknown  
**Acute Inhalation LC50 (MG/L):** RAT .535 MG/L (4 Hr)  
**Other:** Non-irritating to skin (rbt)

**AMES Test**  
**Dimethylpolysiloxane**  
**Acute Oral LD50 (MG/KG):** 20,000 RAT  
**Acute Dermal LD50 (MG/KG):** None  
**Acute Inhalation LC50 (MG/L):** None  
**Other:** Tested for acute oral L 50

## 12. ECOLOGICAL INFORMATION

**Exotoxicological Information:** No data at this time  
**Chemical fate information:** No data at this time

## 13. DISPOSAL CONSIDERATIONS

**Disposal Method:** Disposal should be made in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT Shipping Name:** None  
**DOT Hazard Class:** None  
**DOT Label(s):** None  
**UN/NA Number:** None  
**Placards:** None  
**IATA:** N/A  
**IMO IMDG-Code:** None  
**European Class:**  
**RID (OCTI):** None  
**ADR (ECE):** None  
**RAR (IATA):** None

## 15. REGULATORY INFORMATION

<b>SARA Section 302:</b>	None Found
<b>SARA (311,312) Hazard Class:</b>	Acute Health Hazard
<b>SARA (313) Chemicals:</b>	None
<b>CPSC Classification:</b>	Eye Irritant
<b>WHMIS Trade Secret</b>	None
<b>EXPORT:</b>	
<b>SCHDL B/HTSUS:</b>	3910.00
<b>ECCN:</b>	1C96G
<b>HAZARD RATING SYSTEMS</b>	
<b>HMIS:</b>	Flammability 0, Reactivity 0, Health 2
<b>NFPA:</b>	Flammability 0, Reactivity 0, Health 2

### Supplemental State Compliance Information

#### California

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None known.

#### Massachusetts

CAS Number	Wt %	Component Name
7631-86-9	7.0	Silica, amorphous

#### New Jersey

CAS Number	Wt %	Component Name
70131-67-8	> 60.0	Dimethyl siloxane, hydroxy-terminated
7631-86-9	7.0	Silica, amorphous
17689-77-9	1.0 - 5.0	Ethyltriacetoxysilane
4253-34-3	1.0 - 5.0	Methyltriacetoxysilane

#### Pennsylvania

CAS Number	Wt %	Component Name
70131-67-8	> 60.0	Dimethyl siloxane, hydroxy-terminated
7631-86-9	7.0 - 13.0	Silica, amorphous

## 16. OTHER INFORMATION

This data are offered in good faith as typical values and not as a product specifications. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

C	= ceiling list	NEGL	= negligible
ESTM	= estimated	NF	= none found
NA	= not applicable	UNKN	= unknown
NE	= not established	REC	= recommended
ND	= not determined	V	= recommended by vendor
SKN	= Skin	TS	= trade secret
R	= recommended	MST	= mist
STEL	= short term exposure limit	NT	= not tested

By-product = reaction by-product, TSCA inventory status not required 40 CFR part 720.30 (h-2)