



# MATERIAL SAFETY DATA SHEET

**Product Trade Name: TegraSeal Mastic**

**Revision Date:** 11-May-2009

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Trade Name:** TegraSeal Mastic

**Synonyms:** None  
**Chemical Family:** Mineral

**Manufacturer/Supplier:** TegraSeal Products, LLC  
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**Prepared By**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Bentonite	1302-78-9	40.0 - 70.0
Hydrotreated light naphthenic distillate	64742-53-6	30.0 - 60.0
Calcium stearate	1592-23-0	5.0 - 10.0
Zinc Dialkyl Dithiophosphate	68457-79-4	1.0 - 5.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	<1.0
Silica (crystalline-tridymite)	15468-32-3	<1.0

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

Brown. Paste. May cause slight irritation to the respiratory system. Generally not required under normal conditions of use.

### Acute Potential Health Effects/ Routes of Entry

Inhalation : May cause slight irritation to the respiratory system.  
Eyes : Slightly irritating.  
Ingestion : May cause irritation to the mouth, throat and stomach.  
Skin : May cause mild irritation. May cause possible dermal sensitization

### Aggravated Medical Conditions

Pre-existing eye, skin, liver, kidney, and respiratory disorders may be aggravated by exposure.

### Chronic Health Effects

Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

## 4. FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation : Generally not required under normal conditions of use.

Eye contact : Flush with water for 15 minutes. If irritation persists, get medical attention.

Skin contact : Wash with water. If irritation, rash or other disorders develop, get medical attention immediately.

Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

## 5. FIRE FIGHTING MEASURES

Flash point : 300 °F, 149 °C

Method : Pinsky-Martens Closed Cup

Lower explosion limit : Not available.

Upper explosion limit : Not available.

Autoignition temperature : Not available.

Extinguishing media : If water fog is ineffective, use carbon dioxide, dry chemical or foam.

Hazardous combustion Products : Smoke, fumes. Carbon monoxide and carbon dioxide can form.

Protective equipment for Firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).

Fire and explosion conditions : This product not expected to ignite under normal conditions of use. Product may ignite if heated in excess of its flash point.

## 6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Scrape up and transfer to appropriate container for disposal.

## 7. HANDLING AND STORAGE

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a cool, dry, ventilated warehouse location.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Personal protection equipment

- Respiratory protection : Not required under normal conditions of use.
- Hand protection : Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
- Eye protection : Wear appropriate eye protection. Use safety glasses if eye contact is likely.
- Protective measures : Use professional judgment in the selection, care, and use.
- Engineering measures : General ventilation is sufficient. Use local exhaust when the general ventilation is inadequate.

### Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Bentonite	1302-78-9	ACGIH TWA: ACGIH TWA: OSHA PEL OSHA PEL OSHA TWA OSHA TWA	3 mg/m <sup>3</sup> 10 mg/m <sup>3</sup> 15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> 15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>	Respirable particles Inhalable particles. Total dust. Respirable fraction Total dust Respirable fraction
Hydrotreated light naphthenic distillate	64742-53-6	OSHA PEL ACGIH TWA ACGIH STEL	2,000 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Mist Mist
Calcium stearate	1592-23-0	ACGIH TWA	10 mg/m <sup>3</sup>	
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	OSHA TWA OSHA TWA OSHA PEL OSHA PEL ACGIH TWA	0.3 mg/m <sup>3</sup> 3 mg/m <sup>3</sup> 15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> 0.025 mg/m <sup>3</sup>	Respirable Total dust. Total dust. Respirable fraction Respirable fraction
Silica (crystalline tridymite)	15468-32-3	ACGIH TWA: OSHA PEL OSHA PEL OSHA TWA OSHA TWA	0.05 mg/m <sup>3</sup> 0.05 mg/m <sup>3</sup> 0.15 mg/m <sup>3</sup> 15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>	Respirable fraction Respirable Total dust. Total dust. Respirable fraction

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Paste
- Color : Brown
- Odor : Mild Ester
- pH : Not available.
- Vapour pressure : 0.02 mmHg at 68 °F
- Vapor density : Heavier than air
- Melting point/range : Not available.
- Freezing point : Not available.
- Boiling point/range : 400 °F, 204 °C
- Water solubility : Negligible
- Specific Gravity : 1.2
- % Volatile Weight : 4 %

## 10. STABILITY AND REACTIVITY

Substances to avoid : Oxidizing agents.  
Stability : Material is stable under normal storage, handling, and use.  
Hazardous polymerization : Will not occur.

## 11. TOXICOLOGICAL INFORMATION

No Data Available

## 12. ECOLOGICAL INFORMATION

No Data Available

## 13. DISPOSAL CONSIDERATIONS

Disposal Method : Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with state and local regulations.

## 14. TRANSPORT INFORMATION

**TDG / DOT Shipping Description:**  
NOT REGULATED

## 15. REGULATORY INFORMATION

### North American Inventories:

All components are listed or exempt from the TSCA inventory.  
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

### U.S. Federal Regulations:

SARA 313 Components : Zinc Dialkyl Dithiophosphate 68457-79-4

SARA 311/312 Hazards : Acute Health Hazard Chronic Health Hazard

### OSHA Hazardous Components :

Bentonite	1302-78-9
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OSHA Status: Considered : Irritant  
hazardous based on the Carcinogen  
following criteria:

OSHA Flammability : IIIB

Regulatory VOC (less water and exempt solvent) : 48 g/l

VOC Method 310 : 4 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:

Hydrotreated light naphthenic distillate 64742-53-6  
Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

**U.S. State Regulations:**

MASS RTK Components	Hydrotreated light naphthenic distillate Crystalline Silica (Quartz)/ Silica Sand Silica (crystalline-tridymite)	64742-53-6 14808-60-7 15468-32-3
Penn RTK Components	Bentonite Hydrotreated light naphthenic distillate Calcium stearate	1302-78-9 64742-53-6 1592-23-0
NJ RTK Components	Bentonite Hydrotreated light naphthenic distillate Calcium stearate Zinc Dialkyl Dithiophosphate Crystalline Silica (Quartz)/ Silica Sand	1302-78-9 64742-53-6 1592-23-0 68457-79-4 14808-60-7

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:

14808-60-7 Crystalline Silica (Quartz)/ Silica Sand

**16. OTHER INFORMATION**

**HMIS Rating :**

Health	1	0 = Minimum
Flammability	1	1 = Slight
Reactivity	0	2 = Moderate
PPE		3 = Serious
		4 = Severe

**Further information:**

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

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