

TREMSTOP FYRE-SIL S/L RUST RED

Version 1

Print Date 11/30/2005

REVISION DATE: 08/16/2005

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : TREMSTOP FYRE-SIL S/L RUST RED
 Product code : 939874 805

COMPANY : Tremco Incorporated
 3735 Green Road
 Cleveland, OH 44122

Telephone : (216) 292-5000 8:30 - 5:00 EST
 Emergency Phone: : (216) 765-6727 8:30 - 5:00 EST
 After Hours: Chemtrec 1-800-424-9300

Product use : Sealant

SECTION 2 - HAZARDS IDENTIFICATION**Emergency Overview**

Rust Red. Non-sag gunnable paste. May cause slight irritation to the respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : May cause slight irritation to the respiratory system.
 Eyes : Direct contact may cause moderate irritation.
 Ingestion : May cause irritation to the mouth, throat and stomach.
 Skin : May cause mild irritation.

Aggravated Medical Conditions

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

Chronic Health Effects

May aggravate persons sensitized to amines. Prolonged and repeated overexposure to amines may cause liver and kidney damage based on animal studies. Possible skin sensitization. As a by-product of curing up to 4% Methyl Ethyl Ketoxime (MEKO) may be released within product. Repeated and prolonged exposure to MEKO can cause allergic skin reaction and is a potential carcinogen (Group 2B) by IARC. It may adversely affect the blood, (methemoglobinemia and anemia). 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. Organosilane may cause liver injury with fibrosis after repeated and prolonged overexposure. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Target Organs: Skin, Blood, Lung, Liver, Kidney

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Limestone (Calcium carbonate)	1317-65-3	40.0 - 70.0
Silicone polymer	NJ TSN# 51721300-5110P	30.0 - 60.0
Polydimethylsiloxane, trimethyl endcap	63148-62-9	10.0 - 30.0
Methyloximino silane	NJ TSN# 51721300-5202P	1.0 - 5.0

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

- <1.0

SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

- | | | |
|--------------|---|---|
| Inhalation | : | Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention. |
| Eye contact | : | Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately. |
| Skin contact | : | Clean area of contact thoroughly using soap and 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. |

SECTION 5 - FIRE FIGHTING MEASURES

- | | | |
|---------------------------------------|---|---|
| Flash point | : | Not available. |
| Method | : | Not available. |
| Burning rate | : | Non-flammable solid |
| 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. Silicon oxides and trace amounts of MEKO. |
| 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. |

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Keep out of water courses. Scrape up and transfer to appropriate container for disposal.

SECTION 7 - HANDLING AND STORAGE

Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Do not use in confined or poorly ventilated areas. 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. Change soiled work clothes frequently. Clean hands thoroughly after handling. Store in sealed containers in a cool, dry, ventilated warehouse location.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION
Personal protection equipment

- Respiratory protection : Wear appropriate, properly fitted NIOSH/MSHA approved respirator, as directed by the manufacturer, when the airborne contaminant level(s) exceed the exposure limits indicated on the MSDS.
- 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.
- Skin and body protection : Prevent contact with shoes and clothing.
- Protective measures : Use professional judgment in the selection, care, and use.
- Engineering measures : General ventilation is sufficient.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Limestone (Calcium carbonate)	1317-65-3	OSHA PEL:	5 mg/m ³	Respirable fraction.
		OSHA PEL:	15 mg/m ³	Total dust.
		ACGIH TWA:	3 mg/m ³	Respirable particles.
		ACGIH TWA:	10 mg/m ³	Inhalable particles.
		OSHA TWA:	15 mg/m ³	Total dust.
		OSHA TWA:	5 mg/m ³	Respirable fraction.
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	ACGIH TWA:	0.05 mg/m ³	Respirable fraction.
		OSHA TWA:	0.1 mg/m ³	Respirable.
		OSHA TWA:	0.3 mg/m ³	Total dust.
		OSHA PEL:	15 mg/m ³	Total dust.
		OSHA PEL:	5 mg/m ³	Respirable fraction.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- Form : Non-sag gunnable paste
- Color : Rust Red
- Odor : Oxime
- pH : Not available.
- Vapour pressure : Not available.
- Vapor density : Heavier than air
- Melting point/range : Not available.
- Freezing point : Not available.
- Boiling point/range : Not available.
- Water solubility : Negligible
- Specific Gravity : 1.42
- % Volatile Weight : 0 %

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SECTION 10 - REACTIVITY / STABILITY

Substances to avoid : Strong acids.Strong bases.Alcohols.Water or moisture and oxidizing agents.
Stability : Material is stable under normal storage, handling, and use.
Hazardous polymerization : Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

No Data Available

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 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.

SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG / DOT Shipping Description:
NOT REGULATED

SECTION 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 : None present or none present in regulated quantities.

SARA 311/312 Hazards : Acute Health Hazard

OSHA Hazardous Components :

Limestone (Calcium carbonate) 1317-65-3
Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

OSHA Status: Considered : Irritant
hazardous based on the
following criteria:

OSHA Flammability : Not Regulated



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Regulatory VOC (less water and exempt solvent) : 0 g/l

VOC Method 310 : 0 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:
Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

U.S. State Regulations:

- MASS RTK Components : Limestone (Calcium carbonate) 1317-65-3
- Penn RTK Components : Limestone (Calcium carbonate) 1317-65-3
Silicone polymer NJ TSRN# 51721300-5110P
Polydimethylsiloxane, trimethyl endcap 63148-62-9
- NJ RTK Components : Limestone (Calcium carbonate) 1317-65-3
Silicone polymer NJ TSRN# 51721300-5110P
Polydimethylsiloxane, trimethyl endcap 63148-62-9
Methyloximino silane NJ TSRN# 51721300-5202P
Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

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
1333-86-4 Carbon Black

SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	2
Flammability	1
Reactivity	0
PPE	

- 0 = Minimum
- 1 = Slight
- 2 = Moderate
- 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.

Prepared by: Rich Mikol

Legend

- ACGIH - American Conference of Governmental Hygienists
- CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
- DOT - Department of Transportation
- DSL - Domestic Substance List
- EPA - Environmental Protection Agency
- HMIS - Hazardous Materials Information System
- IARC - International Agency for Research on Cancer
- MSHA - Mine Safety Health Administration
- NDSL - Non-Domestic Substance List
- NIOSH - National Institute for Occupational Safety and Health
- NTP - National Toxicology Program

- PEL - Permissible Exposure Limit
- RCRA - Resource Conservation and Recovery Act
- RTK - Right To Know
- SARA - Superfund Amendments and Reauthorization Act
- STEL - Short Term Exposure Limit
- TLV - Threshold Limit Value
- TSCA - Toxic Substances Control Act
- TWA - Time Weighted Average
- V - Volume
- VOC - Volatile Organic Compound
- WHMIS - Workplace Hazardous Materials Information



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System

OSHA - Occupational Safety and Health Administration