

Version 1.2 Print Date 01/11/2008

REVISION DATE: 01/03/2008

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : TREMSTOP FYRE-SIL GG RUST RED 4.5 US GL

Product code : 938874 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

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 % |
|--|-------------------------|-------------|
| Calcium Carbonate (Limestone) | 1317-65-3 | 30.0 - 60.0 |
| Silicone polymer | NJ TSRN# 51721300-5110P | 30.0 - 60.0 |
| Polydimethylsiloxane, trimethyl endcap | 63148-62-9 | 15.0 - 40.0 |
| Amorphous silica | 7631-86-9 | 3.0 - 7.0 |
| Oximino Silane | 22984-54-9 | 3.0 - 7.0 |
| | | |



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Crystalline Silica (Quartz)/ Silica Sand - < 1.0 14808-60-7

SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

: Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get Inhalation

medical attention.

: Flush with water for at least 15 minutes while holding eye lids apart. Get medical Eye contact

attention immediately.

Clean area of contact thoroughly using soap and water. If irritation, rash or other Skin contact

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 Smoke, fumes. Carbon monoxide and carbon dioxide can form. Silicon

products

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).

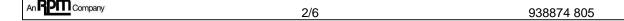
Fire and explosion conditions This product not expected to ignite under normal conditions of use.

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 | <u>Limit</u> | <u>Form</u> |
|---|------------|---|--|--|
| Calcium Carbonate | 1317-65-3 | OSHA PEL: | 5 mg/m3 | Respirable fraction. |
| (Limestone) | | OSHA PEL: | 15 mg/m3 | Total dust. |
| | | ACGIH TWA: | 3 mg/m3 | Respirable particles. |
| | | ACGIH TWA: | 10 mg/m3 | Inhalable particles. |
| | | OSHA TWA: | 15 mg/m3 | Total dust. |
| | | OSHA TWA: | 5 mg/m3 | Respirable fraction. |
| Amorphous silica | 7631-86-9 | ACGIH TWA: ACGIH TWA: OSHA PEL: OSHA PEL: OSHA TWA: | 3 mg/m3 10 mg/m3 15 mg/m3 5 mg/m3 0.8 mg/m3 | Respirable particles. Inhalable particles. Total dust. Respirable fraction. |
| Crystalline Silica (Quartz)/ Silica Sand | 14808-60-7 | OSHA TWA: OSHA TWA: OSHA PEL: OSHA PEL: ACGIH TWA: | 0.1 mg/m3 0.3 mg/m3 15 mg/m3 5 mg/m3 0.025 mg/m3 | Respirable. Total dust. Total dust. Respirable fraction. 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.



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Boiling point/range : Not available.

Water solubility : Negligible

Specific Gravity : 1.37 % Volatile Weight : 1 %

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

Amorphous silica, CAS-No.: 7631-86-9

Acute oral toxicity (LD-50 oral) 22,500 mg/kg (Rat) 22,500 mg/kg (Rat) 15,000 mg/kg (

Mouse) 15,000 mg/kg (Mouse)

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

Chronic Health Hazard

OSHA Hazardous Components:





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Calcium Carbonate (Limestone) 1317-65-3 Amorphous silica 7631-86-9 Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

OSHA Status: Considered : Irritant hazardous based on the Carcinogen

following criteria:

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 26 g/l

exempt solvent)

VOC Method 310 : 1 %

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 : Calcium Carbonate (Limestone) 1317-65-3

Amorphous silica 7631-86-9 Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

Penn RTK Components : Calcium Carbonate (Limestone) 1317-65-3

Silicone polymer NJ TSRN# 51721300-5110P

Polydimethylsiloxane, trimethyl endcap 63148-62-9 Amorphous silica 7631-86-9 Oximino Silane 22984-54-9

NJ RTK Components : Calcium Carbonate (Limestone) 1317-65-3

Silicone polymer NJ TSRN# 51721300-5110P

Polydimethylsiloxane, trimethyl endcap
Amorphous silica
Oximino Silane
Crystalline Silica (Quartz)/ Silica Sand
63148-62-9
7631-86-9
22984-54-9
14808-60-7

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

reproductive harm:

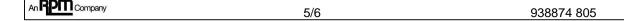
14808-60-7 Crystalline Silica (Quartz)/ Silica Sand

1333-86-4 Carbon Black 64-17-5 Ethyl alcohol

SECTION 16 - OTHER INFORMATION

HMIS Rating:

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





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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

OSHA - Occupational Safety and Health Administration

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

System

