

**TREMSTOP IA+ RUST RED-30 CTG CS**

Version 1.

Print Date 10/02/2008

REVISION DATE: 08/14/2008

**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : TREMSTOP IA+ RUST RED-30 CTG CS  
 Product code : 917860 323

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 : Slightly irritating.  
 Ingestion : May cause irritation to the mouth, throat and stomach.  
 Skin : Irritant effect may be delayed.

**Aggravated Medical Conditions**

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

**Chronic Health Effects**

The International Agency for Research on Cancer (IARC) has classified ceramic fiber, fibrous glasswool, and mineral wool (rockwool and slagwool) as possible human carcinogens (Group 2B) based on sufficient evidence of carcinogenicity in animals but insufficient data in humans. In the National Toxicology Program's (NTP) 7th Annual Report on Carcinogens (1994), respirable glasswool was classified as reasonably anticipated to be carcinogenic. 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. OSHA considers fibrous glass dust a nuisance dust. Fibrous glass can cause dermatitis, local irritation. Long term overexposure to propylene glycol caused liver abnormalities, kidney damage in laboratory animals. Repeated excessive ingestion may cause central nervous system effects. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**SECTION 3 - PRODUCT COMPOSITION**

<b>Chemical Name</b>	<b>CAS-No.</b>	<b>Weight %</b>
Water	7732-18-5	15.0 - 40.0
Acrylate Polymer (Non-hazardous)	NJ TSRN# 51721300-6000P	15.0 - 40.0
Fire retardant	NJ TSRN# 51721300-5036P	10.0 - 30.0
Zinc borate	1332-07-6	10.0 - 30.0



**TREMSTOP IA+ RUST RED-30 CTG CS**

Version 1.

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Expandable Graphite	NJ TSRN# 51721300-5378P	7.0 - 13.0
Polybutene	9003-29-6	5.0 - 10.0
Fibrous Glass	65997-17-3	5.0 - 10.0
Calcium Carbonate (Limestone)	1317-65-3	5.0 - 10.0
Propylene glycol	57-55-6	1.0 - 5.0
Iron oxide	1309-37-1	1.0 - 5.0
Sulfuric acid	7664-93-9	1.0 - 5.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	- <1.0
Chlorothalonil	1897-45-6	- <1.0
Formaldehyde	50-00-0	- <0.1
Ammonium hydroxide	1336-21-6	- <0.1

**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 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.

**SECTION 5 - FIRE FIGHTING MEASURES**

- Flash point : Not available.
- Method : Not available.
- Lower explosion limit : Not available.
- Upper explosion limit : Not available.
- Autoignition temperature : Not available.
- Extinguishing media : This product is not expected to burn under normal conditions of use. Use that which is appropriate to the surroundings.
- Hazardous combustion products : Smoke, fumes.
- Protective equipment for firefighters : Not applicable. Product is not expected to burn.
- 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. Scrape up and transfer to appropriate container for disposal. Keep out of water courses.

**SECTION 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. Do not use in confined or poorly ventilated areas.

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Store in sealed containers in a dry, ventilated warehouse location above freezing.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**
**Personal protection equipment**

- Respiratory protection : Not required under normal conditions of use.
- Hand protection : Protect hands with impervious gloves.
- Eye protection : Use safety glasses if eye contact is likely.
- Protective measures : Use professional judgment in the selection, care, and use. Other equipment not normally required.
- Engineering measures : General ventilation is sufficient. Use local exhaust when the general ventilation is inadequate.

**Exposure Limits**

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Regulation</b>	<b>Limit</b>	<b>Form</b>
Expandable Graphite	NJ TSRN# 51721300-5378P	ACGIH TWA: OSHA PEL: OSHA PEL:	2 mg/m3 15 mg/m3 5 mg/m3	Respirable fraction. Total dust. Respirable fraction.
Fibrous Glass	65997-17-3	ACGIH TWA:	5 mg/m3	Inhalable fraction.
Calcium Carbonate (Limestone)	1317-65-3	OSHA PEL: OSHA PEL: ACGIH TWA: ACGIH TWA: OSHA TWA: OSHA TWA:	5 mg/m3 15 mg/m3 3 mg/m3 10 mg/m3 15 mg/m3 5 mg/m3	Respirable fraction. Total dust. Respirable particles. Inhalable particles. Total dust. Respirable fraction.
Iron oxide	1309-37-1	OSHA PEL: OSHA TWA: OSHA TWA: ACGIH TWA:	10 mg/m3 15 mg/m3 5 mg/m3 5 mg/m3	Fume. Total dust. Respirable fraction. Respirable fraction.
Sulfuric acid	7664-93-9	ACGIH TWA: OSHA PEL:	0.2 mg/m3 1 mg/m3	Thoracic 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.
Ammonium hydroxide	1336-21-6	ACGIH TWA: ACGIH STEL: OSHA PEL:	25 ppm 35 ppm 35 mg/m3	

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Form : Non-sag gunnable paste

**TREMSTOP IA+ RUST RED-30 CTG CS**

Version 1.

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Color	: Rust Red
Odor	: Acrylate
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	: Miscible
Specific Gravity	: 1.38
% Volatile Weight	: 26 %

**SECTION 10 - REACTIVITY / STABILITY**

Substances to avoid : Oxidizing agents.Strong acids.Strong bases.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Propylene glycol, CAS-No.: 57-55-6 Acute oral toxicity (LD-50 oral)	30,000 mg/kg ( Rat ) 18,000 mg/kg ( Rabbit ) 19,000 mg/kg ( Dog ) 23,900 - 31,800 mg/kg ( Mouse ) 18,400 - 196,000 mg/kg ( Guinea pig )
Sulfuric acid, CAS-No.: 7664-93-9 Acute inhalation toxicity (LC-50)	347 mg/l ( Rat ) 0.03 mg/l for 8 h ( Guinea pig ) 0.018 mg/l for 8 h ( Guinea pig ) 347 mg/l for 1 h ( Rat ) 0.018 mg/l ( Guinea pig ) 0.03 mg/l ( Guinea pig )
Chlorothalonil, CAS-No.: 1897-45-6 Acute oral toxicity (LD-50 oral) Acute dermal toxicity (LD-50 dermal)	10,000 mg/kg ( Rat ) 10,000 mg/kg ( Albino rat )
Formaldehyde, CAS-No.: 50-00-0 Acute oral toxicity (LD-50 oral) Acute inhalation toxicity (LC-50)	800 mg/kg ( Rat ) 260 mg/kg ( Guinea pig ) 100 mg/kg ( Rat ) 42 mg/kg ( Mouse ) 0.82 mg/l for 30 min ( Rat ) 0.48 mg/l for 4 h ( Rat ) 0.414 mg/l for 4 h ( Mouse ) 0.4 mg/l for 2 h ( Mouse )
Ammonium hydroxide, CAS-No.: 1336-21-6 Acute oral toxicity (LD-50 oral)	350 mg/kg ( Rat )



**TREMSTOP IA+ RUST RED-30 CTG CS**

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 REVISION DATE: 08/14/2008

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**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 : Zinc borate 1332-07-6  
 Sulfuric acid 7664-93-9  
 Chlorothalonil 1897-45-6

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

OSHA Hazardous Components :

Zinc borate 1332-07-6  
 Expandable Graphite NJ TSRN# 51721300-5378P  
 Fibrous Glass 65997-17-3  
 Calcium Carbonate (Limestone) 1317-65-3  
 Iron oxide 1309-37-1  
 Sulfuric acid 7664-93-9  
 Crystalline Silica (Quartz)/ Silica Sand 14808-60-7  
 Chlorothalonil 1897-45-6  
 Formaldehyde 50-00-0  
 Ammonium hydroxide 1336-21-6

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

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 54 g/l  
 exempt solvent)

VOC Method 310 : 2 %



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

Fibrous Glass	65997-17-3
Sulfuric acid	7664-93-9
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7

**U.S. State Regulations:**

MASS RTK Components	:	Zinc borate	1332-07-6
		Expandable Graphite	NJ TSRN# 51721300-5378P
		Fibrous Glass	65997-17-3
		Calcium Carbonate (Limestone)	1317-65-3
		Iron oxide	1309-37-1
		Sulfuric acid	7664-93-9
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
		Formaldehyde	50-00-0

Penn RTK Components	:	Water	7732-18-5
		Acrylate Polymer (Non-hazardous)	NJ TSRN# 51721300-6000P
		Fire retardant	NJ TSRN# 51721300-5036P
		Zinc borate	1332-07-6
		Expandable Graphite	NJ TSRN# 51721300-5378P
		Polybutene	9003-29-6
		Fibrous Glass	65997-17-3
		Calcium Carbonate (Limestone)	1317-65-3
		Propylene glycol	57-55-6
		Iron oxide	1309-37-1
		Sulfuric acid	7664-93-9

NJ RTK Components	:	Water	7732-18-5
		Acrylate Polymer (Non-hazardous)	NJ TSRN# 51721300-6000P
		Fire retardant	NJ TSRN# 51721300-5036P
		Zinc borate	1332-07-6
		Expandable Graphite	NJ TSRN# 51721300-5378P
		Polybutene	9003-29-6
		Fibrous Glass	65997-17-3
		Iron oxide	1309-37-1
		Sulfuric acid	7664-93-9
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7

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

65997-17-3	Fibrous Glass
7664-93-9	Sulfuric acid
14808-60-7	Crystalline Silica (Quartz)/ Silica Sand
1897-45-6	Chlorothalonil
50-00-0	Formaldehyde



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**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	1
Flammability	0
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  
 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