

TREM EPOXY RUST COAT 5-GAL PART B ONLYVersion 1.2
REVISION DATE: 09/01/2006

Print Date 06/12/2008

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : TREM EPOXY RUST COAT 5-GAL PART B ONLY
 Product code : 86915B805

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 : Curative

SECTION 2 - HAZARDS IDENTIFICATION**Emergency Overview**

Off-White. Liquid. May cause slight irritation to the respiratory system. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Remove to fresh air. Get immediate medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : May cause slight irritation to the respiratory system.
 Eyes : Vapors or liquid may cause tearing, blurred vision, severe irritation, and possible chemical burns.
 Ingestion : May cause gastrointestinal irritation, nausea, and vomiting. May cause chemical burns to stomach, mouth, nose, and throat.
 Skin : May cause itching, reddening, inflammation. May cause severe burns, blistering and skin damage. May cause sensitization resulting in irritation, itching and redness. May cause a rash.

Aggravated Medical Conditions

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

Chronic Health Effects

May cause sensitization by contact. Prolonged skin contact may cause irritation, burns or dermatitis. Repeated overexposure to vapors and/or material may injure the liver, kidneys and respiratory system unless suitable engineering controls and/or personal protective equipment are used. May aggravate persons sensitized to amines. Prolonged or repeated exposure to xylene may cause defatting, drying, and irritation of the skin, dermatitis, central nervous system (CNS) effects, heart muscle sensitization and arrhythmia, hearing loss, and brain, liver, kidney damage. Xylene overexposure may affect fetal development. 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. The International Agency for Research on Cancer (IARC) has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. Prolonged inhalation of mica airborne dust can produce scar tissue in the lungs. Mica is a filler that is encapsulated by resin and is not expected to have adverse effects unless made airborne. Prolonged or repeated exposure may cause defatting, drying, and

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irritation of the skin, dermatitis, central nervous system (CNS) effects, heart muscle sensitization and arrhythmia, hearing loss, and brain, liver, kidney, and testes damage. Toluene overexposure may cause burns of the skin, respiratory tract damage. May be harmful to the human fetus based on animal tests and limited epidemiology data. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Mica	12001-26-2	40.0 - 70.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	15.0 - 40.0
Benzyl alcohol	100-51-6	10.0 - 30.0
Hydrocarbon Resin	NJ TSRN# 51721300-5679P	5.0 - 10.0
Aliphatic Polyamine	NJ TSRN# 51721300-5678P	5.0 - 10.0
Styrene Resin	9003-53-6	3.0 - 7.0
1-Methoxy-2-propanol acetate	108-65-6	3.0 - 7.0
1,2-Cyclohexanediamine	694-83-7	3.0 - 7.0
Bentonite	1302-78-9	3.0 - 7.0
Silicon dioxide, amorphous	NJ TSRN# 51721300-5168P	3.0 - 7.0
Ethylbenzene	100-41-4	3.0 - 7.0
Xylene	1330-20-7	1.0 - 5.0
Toluene	108-88-3	1.0 - 5.0

SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

- Inhalation : Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Remove to fresh air. Get immediate 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 : 76 °F, 24 °C
- Method : Setflash Closed Cup
- Lower explosion limit : 1.00 %(V) Solvent
- Upper explosion limit : 7.10 %(V) Solvent
- Autoignition temperature : Not available.
- Extinguishing media : If water fog is ineffective, use carbon dioxide, dry chemical or foam.
- Hazardous combustion products : Carbon monoxide and carbon dioxide can form. Smoke, fumes. Nitrogen oxides can form.

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- Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
- Fire and explosion conditions : Product may ignite if heated in excess of its flash point. Vapors may travel to sources of ignition and flashback. Vapor concentrations in enclosed areas may ignite explosively. Empty containers may contain ignitable vapors.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Remove sources of ignition immediately. Stop flow of material if safe to do so. Contain spill and keep out of water courses. Ventilate area.

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 smoke, weld, generate sparks, or use flame near container. Do not use in confined or poorly ventilated areas. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Store under dry warehouse conditions away from heat and all ignition sources.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

- Respiratory protection : Wear NIOSH/MSHA approved vapor respirator with appropriate cartridge when the vapor concentration is expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
- Hand protection : Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.
- Eye protection : Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
- Skin and body protection : Prevent contact with shoes and clothing. Use rubber apron and overshoes.
- Protective measures : Inspect and replace equipment at regular intervals. Use professional judgment in the selection, care, and use.
- Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Mica	12001-26-2	ACGIH TWA:	3 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.

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Chemical Name	CAS Number	Regulation	Limit	Form
Bentonite	1302-78-9	ACGIH TWA:	3 mg/m3	Respirable particles.
		ACGIH TWA:	10 mg/m3	Inhalable particles.
		OSHA PEL:	15 mg/m3	Total dust.
		OSHA PEL:	5 mg/m3	Respirable fraction.
		OSHA TWA:	15 mg/m3	Total dust.
		OSHA TWA:	5 mg/m3	Respirable fraction.
Ethylbenzene	100-41-4	ACGIH TWA:	100 ppm	
		ACGIH STEL:	125 ppm	
		OSHA PEL:	435 mg/m3	
Xylene	1330-20-7	ACGIH TWA:	100 ppm	
		ACGIH STEL:	150 ppm	
		OSHA PEL:	435 mg/m3	
Toluene	108-88-3	ACGIH TWA:	50 ppm	
		OSHA TWA:	200 ppm	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
Color	: Off-White
Odor	: Amine
pH	: Not available.
Vapour pressure	: Not available.
Vapor density	: Heavier than air
Melting point/range	: Not available.
Freezing point	: Not available.
Boiling point/range	: 232 - 300 °F, 111 - 149 °C
Water solubility	: Negligible
Specific Gravity	: 1.56
% Volatile Weight	: 15 %

SECTION 10 - REACTIVITY / STABILITY

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

SECTION 11 - TOXICOLOGICAL INFORMATION

Benzyl alcohol, CAS-No.: 100-51-6

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Acute oral toxicity (LD-50 oral) 1,230 - 3,100 mg/kg (Rat)
 Acute inhalation toxicity (LC-50) 1,000 mg/l (Rat)

Ethylbenzene, CAS-No.: 100-41-4
 Acute oral toxicity (LD-50 oral) 3,500 mg/kg (Rat)
 Acute dermal toxicity (LD-50 dermal) 17,800 mg/kg (Rabbit)

Xylene, CAS-No.: 1330-20-7
 Acute oral toxicity (LD-50 oral) 3,523 - 8,600 mg/kg (Rat)
 Acute inhalation toxicity (LC-50) 6,350 mg/l (Rat)

Toluene, CAS-No.: 108-88-3
 Acute oral toxicity (LD-50 oral) 2,600 - 7,500 mg/kg (Rat)
 Acute inhalation toxicity (LC-50) 26,700 mg/l (Rat)
 Acute dermal toxicity (LD-50 dermal) 12,124 mg/kg (Rabbit)

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

RCRA Class : D001: Reportable Quantity = 100 lbs. (Characteristic of ignitability)

This classification applies only to the material as it was originally produced.

Disposal Method : Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Recycle or incinerate waste at EPA approved facility or dispose of in compliance with federal, state and local regulations.

SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG / DOT Shipping Description:

PAINT, 3, UN1263, PG III

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 : Ethylbenzene 100-41-4
 Toluene 108-88-3
 Xylene 1330-20-7

SARA 311/312 Hazards : Acute Health Hazard
 Fire Hazard

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OSHA Hazardous Components :

Mica	12001-26-2
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
Bentonite	1302-78-9
Ethylbenzene	100-41-4
Xylene	1330-20-7
Toluene	108-88-3

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

OSHA Flammability : IC

Regulatory VOC (less water and exempt solvent) : 234 g/l

VOC Method 310 : 15 %

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

Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
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U.S. State Regulations:

MASS RTK Components :	Mica	12001-26-2
	Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
	Benzyl alcohol	100-51-6
	Ethylbenzene	100-41-4
	Xylene	1330-20-7
	Toluene	108-88-3

Penn RTK Components :	Mica	12001-26-2
	Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
	Benzyl alcohol	100-51-6
	Hydrocarbon Resin	NJ TSRN# 51721300-5679P
	Aliphatic Polyamine	NJ TSRN# 51721300-5678P
	Styrene Resin	9003-53-6
	1-Methoxy-2-propanol acetate	108-65-6
	1,2-Cyclohexanediamine	694-83-7
	Bentonite	1302-78-9
	Silicon dioxide, amorphous	NJ TSRN# 51721300-5168P
	Ethylbenzene	100-41-4
	Xylene	1330-20-7
Toluene	108-88-3	

NJ RTK Components :	Mica	12001-26-2
	Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
	Benzyl alcohol	100-51-6
	Hydrocarbon Resin	NJ TSRN# 51721300-5679P
	Aliphatic Polyamine	NJ TSRN# 51721300-5678P
	Ethylbenzene	100-41-4
	Toluene	108-88-3
	Xylene	1330-20-7

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

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100-41-4
108-88-3

Ethylbenzene
Toluene

SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	2
Flammability	3
Reactivity	1
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