

TREMCO

10701 SHAKER BOULEVARD
CLEVELAND, OHIO 44104

TELEPHONE: (216) 292-5000

MATERIAL SAFETY DATA SHEET

EMERGENCIES: (216) 765-6727 8:30-5:00 EST
AFTER HOURS: CHEMTREC (800) 424-9300

SECTION I

350-715 996 6018911839000160
Trade Name: TREMFIX
Code Number: 350-715-996, 350-715L-996
Product Class: ROOFING
Additional Components: NONE

Prepared By: F. L. Miller
Date: 1-Jun-1989
REPLACES: 16-Feb-1989

DOT Proper Shipping Name: NOT REGULATED
DOT Hazard Class: N/A

DOT UN/NA Number: N/A
TSCA Status: OK

SECTION II - HAZARDOUS COMPONENTS

CHEMICAL or COMMON NAME CAS Number (symbols explained below)	MAX. WT. %	EXPOSURE LIMITS	
		TWA	STEL
COAL TAR AND PITCH (VOLATILES) N/A	80	OSHA 0.2 mg/M3 ACGIH 0.2 mg/M3	-
CALCIUM CARBONATE 1317-65-3	10	OSHA 15 mg/M3 ACGIH 10 mg/M3	(tot. dust, no asb.) (tot., no asb. <1% SiO2)
ALUMINUM SILICATES (CLAY) VARIOUS	10	OSHA 15 mg/M3 ACGIH 10 mg/M3	(total nuisance dust) (total nuisance dust)
PINE TAR N/A	5	OSHA - ACGIH -	-
CREOSOTE OIL 8001-58-9	5	OSHA - ACGIH -	-
SILICON DIOXIDE (QUARTZ) 14808-60-7	0.2	OSHA 0.1 mg/M3 ACGIH 0.1 mg/M3	(respirable dust) (respirable dust)

* - Indicates IARC, NTP, or OSHA carcinogen.
Other: One or more ingredients in this formulation are listed on the California Proposition 65 list of chemicals.

SECTION III - PHYSICAL DATA

Weight/Gallon: 9.1#	Vapor Pressure: Not Establ.	Melting Point: N/A
Specific Gravity: 1.09	Vapor Density (Air = 1): >1	Boiling Point: N/A
pH (Aqueous): N/A	Solubility in Water: Negligible	Softening Point: N/A
% Volatile By Wt: Max. 30	Evaporation Rate (ETHER-1): >1	Freezing Point: N/A
Physical State: Paste	Odor: Bitumen	Color: Black

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point (F): N/A	Method: N/A
LEL (Lower Explosion Limit): Not Established	UEL (Upper Explosion Limit): Not Established
Auto-ignition Temperature: Not Established	Decomposition Temperature: Not Established
EXTINGUISHING MEDIA:	

Water fog, carbon dioxide, dry chemical.
UNUSUAL PRODUCTS OF IGNITION:

N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Never use welding or cutting torch on or near container (even empty). Product, residue or vapor may ignite. See section IX for additional precautions.

SPECIAL FIREFIGHTING PROCEDURES:

during a fire, personnel at the scene are to prevent exposure to fumes using accepted fire fighting techniques.

SECTION V - HEALTH HAZARD DATA

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE:

EYE CONTACT -
Can cause irritation, burns.
SKIN CONTACT -
Can cause irritation, burns.
SKIN ABSORPTION -
Not established.
INHALATION -
Can cause headache, dizziness, irritation to respiratory system. May cause allergic respiratory reaction.
INGESTION -
Can cause gastrointestinal irritation.

EMERGENCY AND FIRST AID:

IF ON SKIN -
Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
IF IN EYES -
Flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally. Get medical attention immediately.
IF INGESTED -
Get medical attention immediately.
IF INHALED -
Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Not established.

POTENTIAL EFFECTS OF LONG-TERM OR CHRONIC EXPOSURE:

Coal tar and pitch is considered as human carcinogen by NTP and IARC. Can cause cancer of the lung, skin, bladder, gastrointestinal tract. Creosote oil is a suspect human carcinogen. IARC concluded that there is sufficient evidence for carcinogenicity of crystalline silica in experimental animals, but only limited evidence in humans. Prolonged and repeated overexposure to free silicon dioxide (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. However, silica in this product is encapsulated and release is not expected unless it is necessary to abrade, grind or sand surfaces coated with product.

HEALTH HAZARD DATA:

Coal tar and pitch can be strongly irritating to eyes, skin and respiratory tract. Conjunctivitis or dermatitis could result. Vapors have been associated with an increased risk of bronchitis. Sensitizer.

SECTION VI - REACTIVITY DATA

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

STABILITY: Stable

INCOMPATIBILITY: Avoid contact with strong oxidizing agents.

SECTION VII - SPILL OR LEAK PROCEDURES

LEAN-UP:

Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

HAZARDOUS WASTE DISPOSAL METHOD:

Not regulated by RCRA. Dispose of in compliance with state and local regulations.

PA HAZARDOUS WASTE NUMBER: N/A

PA REPORTABLE QUANTITY: N/A

NATIONAL EMERGENCY RESPONSE CENTER: 800-424-8802 OR 202-426-2675

SECTION VIII - PROTECTIVE EQUIPMENT TO BE USED

VENTILATION:

Use local exhaust when the general ventilation is not sufficient to keep the airborne contaminant concentration below the TLV.

RESPIRATORY PROTECTION:

Use appropriate, properly fitted NIOSH/MSHA approved respirator when the airborne contaminant level(s) exceed the TLV. Follow manufacturer's directions for respirator use.

SKIN PROTECTION:

Protect hands with impervious rubber gloves. Prevent contact with skin. Gloves must be checked before each use for signs of degradation and penetration and for proper functioning.

EYE PROTECTION:

Use suitable safety eyewear.

FACE PROTECTION:

Not required.

OTHER PROTECTIVE EQUIPMENT:

Workers must be fully clothed and must wear protective cream or other protective barrier on exposed skin.

SECTION IX - SPECIAL PRECAUTIONS OR OTHER COMMENTS

STORAGE, HANDLING AND APPLICATION:

Store under normal warehouse conditions. Prevent inhalation of vapor, ingestion, and contact with skin and eyes. Keep container closed when not in use. Precautions also apply to emptied containers.

PRECAUTIONS FOR REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT:

Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment.

OTHER:

To prevent gases, vapors or fumes from migrating into occupied sections of the building, close or cover all openings including windows, doors and air intakes during and after application until gases, vapors or fumes dissipate.

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 HIS OWN INVESTIGATION AND VERIFICATION OF COMPLIANCE WITH APPLICABLE REGULATIONS, INCLUDING THE SAFE USE OF THE PRODUCT UNDER EVERY FORESEEABLE CONDITION.

CODE NUMBER: 350-715

MSDS ISSUE DATE: 1-Jun-1989