

TREMCO

MATERIAL SAFETY DATA SHEET

3735 GREEN ROAD
BEACHWOOD, OHIO 44122

TELEPHONE: (216)292-5000

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

SECTION I

Order Code: 350715 219
Order Desc: 5 GL DR TREMFIX 9/D WT 50#

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

Prepared By: F.L. Miller
Date: 17-May-1991
Replaces: 1-June-1989

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

DOT UN/NA Number: N/A

SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL or COMMON NAME CAS Number (symbols explained below)	MAX. WT. %	EXPOSURE LIMITS	
		TWA	STEL
COAL TAR 8007-45-2 *	50	OSHA 0.2 mg/M3 ACGIH 0.2 mg/M3	- (volatiles) - (volatiles)
COAL TAR PITCH 65996-93-2 *	30	OSHA 0.2 mg/M3 ACGIH 0.2 mg/M3	- (volatiles) - (volatiles)
CALCIUM CARBONATE (LIMESTONE) 1317-65-3	10	OSHA 15 mg/M3 ACGIH 10 mg/M3	- (tot dust, 5mg/M3 respirable) - (tot dust, no asbest, <1%SiO2)
MAGNESIUM ALUMINUM SILICATE (CLAY) 8031-18-1	10	OSHA 15 mg/M3 ACGIH 10 mg/M3	- (total nuisance dust) - (total nuisance dust)
INERT FILLER N/A #	5	OSHA - ACGIH -	- -
PINE TAR 8011-48-1	5	OSHA - ACGIH -	- -
CREOSOTE (CRESOTE, COAL TAR) 8001-58-9 **	5	OSHA - ACGIH -	- -
CRYSTALLINE SILICA (QUARTZ) 14808-60-7 *	0.7	OSHA 0.1 mg/M3 ACGIH 0.1 mg/M3	- (respirable dust) - (respirable dust)

- Specific chemical identity is being withheld as a trade secret.

* - Indicates IARC, NTP, or OSHA carcinogen.

+ - Specific chemical is listed in SARA-313; shown at typical percentage.

WARNING: THIS PRODUCT CONTAINS CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

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

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, dermatitis and possible photosensitization.

SKIN ABSORPTION -

May be slightly toxic.

INHALATION -

Can cause irritation to respiratory system.

INGESTION -

Ingestion of coal tar and pitch can cause severe gastrointestinal irritation, nausea, vomiting, hypothermia.

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:

Chronic respiratory disorders.

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 (quartz) in experimental animals, but only limited evidence in humans. 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.

OTHER HEALTH HAZARD DATA:

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

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

CLEAN-UP:

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

WASTE DISPOSAL METHOD:

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

EPA HAZARDOUS WASTE NUMBER: N/A

EPA 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 exposure limit in Section II of the MSDS.

RESPIRATORY PROTECTION:

Wear appropriate, properly fitted NIOSH/MSHA approved respirator when the airborne contaminant level(s) exceed the exposure limits indicated in Section II. Follow respirator 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 MAINTANENCE 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: 350-715-996

MSDS ISSUE DATE: 17-May-1991

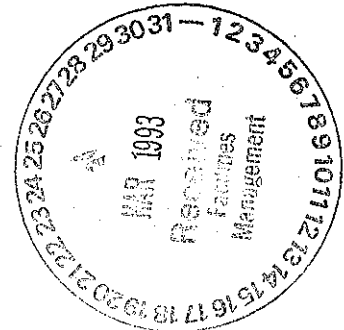
TREMCO.

3735 GREEN ROAD * BEACHWOOD, OHIO 44122 * 216/292-5000

03/19/93

MTC

SYRACUSE CITY SCHOOL DIST
CENTRAL OFFICE
725 HARRISON ST
SYRACUSE, NY
13211-0000



Subject: MATERIAL SAFETY DATA SHEETS

Dear Customer:

Enclosed are Material Safety Data Sheets (MSDS's) which provide information on the products you recently ordered. Please ensure that this information is available to all persons handling or using these products. Please use these current versions to replace any previous versions you may have received.

These MSDS'S have been forwarded to your customer billing address. Additional addresses such as the shipping address, building owners and occupants addresses, or others may receive them upon request.

The distribution of these sheets is part of a continuing program providing current health and safety information to customers. The regulations promulgated by OSHA for Hazard communication at 29 CFR 1910.1200 as well as other federal, state and local laws and regulations have been considered in preparing these MSDS's.

Should you require any additional assistance please contact us at 216/292-5000.

Thank you for your order.

Very truly yours,

A handwritten signature in cursive that reads "Charles R. Bruno".

Charles R. Bruno
Product Safety Specialist

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