



MATERIAL SAFETY DATA SHEET

3735 GREEN ROAD
BEACHWOOD, OHIO 44122-8068

TELEPHONE: (216)292-5000

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

SECTION 1

Order Code: 363940 805

Trade Name: FIBERMAT
Code Number: 363-940-996, 363-940L-996
Product Class: ROOFING
Additional Components: NONE

Prepared By: C.R. Bruno
Date: 1-May-1992
Replaces: 30-Jul-1991

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
ASPHALT 8052-42-4 *	35	OSHA - ACGIH 5 mg/M3	- (fumes)
CALCIUM CARBONATE (LIMESTONE) 1317-65-3	25	OSHA 15 mg/M3 ACGIH 10 mg/M3	- (tot dust, 5mg/M3 respirable) - (tot dust, no asbest, <1%SiO2)
STODDARD SOLVENT (MINERAL SPIRITS) 8052-41-3	20	OSHA 100 ppm ACGIH 100 ppm	- -
HEAVY PARAFFINIC OIL 64741-88-4	5	OSHA 5 mg/M3 ACGIH 5 mg/M3	- (oil mist) 10 mg/M3 (oil mist)
KAOLIN (CLAY) 66402-68-4	5	OSHA 10 mg/M3 ACGIH 10 mg/M3	- (tot dust, 2mg/M3 respirable) - (tot dust, no asbest, <1%SiO2)
INERT FILLER N/A #	3	OSHA 15 mg/M3 ACGIH 10 mg/M3	- (tot dust, 5mg/M3 respirable) - (tot dust, no asbest, <1%SiO2)
PINE TAR 8011-48-1	3	OSHA - ACGIH -	- -
MAGNESIUM CARBONATE 546-93-0	3	OSHA 15 mg/M3 ACGIH 10 mg/M3	- (tot dust, 5mg/M3 respirable) - (total nuisance dust)
CARBON BLACK 1333-86-4	3	OSHA 3.5 mg/M3 ACGIH 3.5 mg/M3	- -
MAGNESIUM ALUMINUM SILICATE (CLAY) 8031-18-3	2	OSHA 15 mg/M3 ACGIH 10 mg/M3	- (total nuisance dust) - (total nuisance dust)
ETHYLENE GLYCOL (1,2-ETHANEDIOL) 107-21-1 +	2	OSHA - ACGIH -	- Ceil=50ppm - Ceil=50ppm
ALUMINUM SILICATES (CLAY) VARIOUS	1	OSHA 15 mg/M3 ACGIH 10 mg/M3	- (total nuisance dust) - (total nuisance dust)
FIBROUS GLASS 65997-17-3	1	OSHA - ACGIH 10 mg/M3	- (dust)
CRYSTALLINE SILICA (QUARTZ) 14808-60-7 *	0.7	OSHA 0.1 mg/M3 ACGIH 0.1 mg/M3	- (respirable dust) - (respirable dust)
HYDROGEN SULFIDE 7783-06-4	48 ppm	OSHA 10 ppm ACGIH 10 ppm	15 ppm 15 ppm

- # - 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:10.1#	Vapor Pressure: Not Establ.	Melting Point:N/A
Specific Gravity:1.21	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. 20	Evaporation Rate (ETHER=1):>1	Freezing Point: N/A
Physical State: Liquid	Odor: Solvent	Color: Black

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point (F): 126	Method: Seta
LEL (Lower Explosion Limit): 0.7% (solvent)	UEL (Upper Explosion Limit): 6% (solvent)
Auto-ignition Temperature: Not Established	Decomposition Temperature: Not Established

EXTINGUISHING MEDIA: If water fog is ineffective, use carbon dioxide, dry chemical or foam.

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.

SKIN CONTACT - Can cause irritation, dermatitis.

INHALATION - Can cause headache, dizziness, nausea, drowsiness, stupor, irritation to respiratory system.

INGESTION - Ethylene glycol may be harmful or fatal if swallowed. May produce CNS depression and kidney damage, which may be fatal.

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: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Asphalt contains small amounts of polynuclear aromatic compounds which have been shown to cause cancer and respiratory damage in laboratory animals. 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: Overexposure to mineral spirits can adversely affect the lung, CNS or cardiac system. Prolonged and repeated exposure caused kidney damage in male rats. Overexposure to ethylene glycol has been suggested to cause CNS, kidney and liver abnormalities. Ingestion at high concentrations produced dose-related teratogenic effects in laboratory animals.

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: Remove sources of ignition immediately. Ventilate to reduce the airborne contaminant concentration below the exposure limit in Section II of the MSDS. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

WASTE DISPOSAL METHOD: Subject to hazardous waste treatment, storage, and disposal requirements under RCRA. Incinerate at EPA approved facility or dispose of in compliance with federal, state and local regulations.

EPA HAZARDOUS WASTE NUMBER: D001
EPA REPORTABLE QUANTITY: 100#

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 on the MSDS. Follow respirator manufacturer's directions for respirator use.

SKIN PROTECTION: Protect hands with impervious rubber gloves and wear rubber apron and overshoes. Prevent contact with skin.

EYE PROTECTION: Chemical splash goggles.

FACE PROTECTION: Face shield is recommended.

OTHER PROTECTIVE EQUIPMENT: Other equipment not normally required.

SECTION IX - SPECIAL PRECAUTIONS OR OTHER COMMENTS

STORAGE, HANDLING AND APPLICATION: Store in closed container below 80F. Keep liquid and vapor away from heat, sparks and flame. Do not store in direct sunlight. Prevent inhalation of vapor, ingestion, and contact with skin and eyes. Keep container closed when not in use. Vapor may migrate to sources of ignition. Do not smoke, weld, generate sparks, or use flame near container. Change soiled workclothes frequently. Clean hands thoroughly after handling.

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: Precautions also apply to emptied containers.

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: 363-940-996

MSDS ISSUE DATE: 1-May-1992