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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: 361589 072
Order Desc: 2 GL CN POLYROOF 9/0 WT 18#Trade Name: POLYROOF
Code Number: 361-589-996, 361-589L-996
Product Class: ROOFING
Additional Components: NONEPrepared By: F.L. Miller
Date: 17-Jan-1991
Replaces: 1-June-1989DOT 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)
XYLENES (DIMETHYLBENZENES) 1330-20-7 +	24	OSHA 100 ppm ACGIH 100 ppm	150 ppm 150 ppm
STYRENE-BUTADIENE-STYRENE RUBBER 9003-55-8	20	OSHA - ACGIH -	- -
SILICA (AMORPHOUS) 7631-86-9	10	OSHA 6 mg/M3 ACGIH 10 mg/M3	- - (no asbestos, <1% SiO2)
ETHYL BENZENE 100-41-4 +	7	OSHA 100 ppm ACGIH 100 ppm	125 ppm 125 ppm
COAL TAR 8007-45-2 *	5	OSHA 0.2 mg/M3 ACGIH 0.2 mg/M3	- (volatiles) - (volatiles)
NAPHTHENIC DISTILLATE 64742-52-5	5	OSHA 5 mg/M3 ACGIH 5 mg/M3	- (mist) 10 mg/M3 (mist)

* - 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: 8.1#	Vapor Pressure: Not Establ.	Melting Point: N/A
Specific Gravity: 0.97	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. 35	Evaporation Rate (ETHER=1): >1	Freezing Point: N/A
Physical State: Paste	Odor: Solvent	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

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

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ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE:

EYE CONTACT -
Can cause irritation.
SKIN CONTACT -
Can cause irritation, dermatitis and possible photosensitization.
SKIN ABSORPTION -
Not established.
INHALATION -
Can cause headache, dizziness, irritation to respiratory system.
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:

Exposure to naphthenic distillate can aggravate existing skin and 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. There are no available studies that indicate asphalt causes cancer or respiratory damage in humans. Coal tar and pitch is considered as human carcinogen by NTP and IARC. Can cause cancer of the lung, skin, bladder, gastrointestinal tract.

OTHER HEALTH HAZARD DATA:

Overexposure to xylene can adversely affect the central nervous system, heart, liver, kidneys, lungs, spleen and adrenals. Embryo/fetotoxicity occurred in pregnant rats exposed by inhalation and mice exposed orally (with maternal toxicity) to xylene. Overexposure to ethyl benzene by inhalation caused liver 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:

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:
Typical full cover clothing.

SECTION IX - SPECIAL PRECAUTIONS OR OTHER COMMENTS

STORAGE, HANDLING AND APPLICATION:

Store in closed container below 80 F. Keep product 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: 361-589-996

MSDS ISSUE DATE: 17-Jan-1991