



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: 361590 805

Product Name: POLYROOF LV
Chemical Name:
Chemical Family: Coating
Product Code: 361-590
MSDS Preparer: R. A. MIKOL
Date Prepared: 28-SEPT-03
Replaces Date: 13-OCT-99

Section 2 - Molecular Composition

Table with 3 columns: Common Name and Chemical Name, Exposure Limits, Weight %, CAS Number. Rows include ASPHALT, XYLENES (DIMETHYLBENZENES), STYRENE-BUTADIENE-STYRENE BLOCK RUBBER, SILICA, AMORPHOUS, PRECIPITATED, COAL TAR, HEAVY NAPHTHENIC DISTILLATE, ETHYL BENZENE, CARBON BLACK, and TOLUENE (METHYLBENZENE).

Section 3 - Hazards Identification

Emergency Overview:

Black paste. Can cause eye irritation. If in eyes, flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally. Get medical attention immediately.

Potential Hlth Effect/Rte of Entry:

Inhalation:

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

Eyes:

Can cause irritation.

Ingestion:

Can cause gastrointestinal irritation.

Skin:

Can cause irritation, dermatitis and possible photosensitization.

Aggravated Medical Conditions:

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

Acute Health Effects:

See effects described above.

Chronic Health Effects:

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. Prolonged or repeated skin contact with asphalt in these products may result in irritation and dermatitis. Although a direct association between asphalt and cancer or other lung disease has not been established in man, asphalts contain variable amounts of polycyclic aromatic hydrocarbons and other volatiles which have been shown to cause cancer and respiratory damage in animals. Coal tar and coal tar pitch can cause cancer of the lung, skin, bladder, kidneys. Inhalation of excessive vapors have been associated blood disorders. Prolonged or repeated contact/exposure to xylene and/or ethylbenzene may cause defatting, drying, and irritation of the skin, dermatitis, CNS effect described above, heart muscle sensitization and arrhythmia, hearing loss, and brain, liver, kidney, and testes damage. Prolonged xylene overexposure may affect fetal development. The risk of this effect should be insignificant in well ventilated areas.

Section 4 - First Aid Measures

Inhalation:

Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.

Eyes:

Flush immediately with running water for 15 minutes, lifting the upper and lower lids occasionally. Get medical attention immediately.

Ingestion:

Get medical attention immediately.

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.

Notes to Physician:

N/A

Section 5 - Fire Fighting Measures

Flash Point:

N/A

Method:

N/A

Lower Flammability Limit: NOT ESTABLISHED

Upper Flammability Limit: NOT ESTABLISHED

Autoignition Temperature: NOT ESTABLISHED

Extinguishing Media:

Carbon dioxide, dry chemical.

Fire and Explosion Hazards:

Never use welding or cutting torch on or near container (even empty).

Product, residue or vapor may ignite. See Section 7 for additional precautions.

Special Fire Fighting Procedures:

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

Fire Fighting Equipment:

N/A

Other Precautions:

Not Applicable

Section 6 - Accidental Release Measures

Release Response Overview:

Absorb spill in sand, earth or other suitable material. Transfer to

appropriate container for disposal.

Section 7 - Handling and Storage

Handling and Storage Precautions:

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 work-clothes frequently. Clean hands thoroughly after handling. Precautions also apply to emptied containers. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment.

Section 8 - Exposure Controls/Personal Protection

Respiratory:

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:

Protect hands with impervious rubber gloves and wear typical full cover clothing. Prevent contact with skin.

Eyes:

Wear suitable safety eyewear.

Face:

Not required.

Engineering:

Use local exhaust when the general ventilation is not sufficient to keep the airborne contaminant concentration below the exposure limit in Section 2 of the MSDS.

Section 9 - Physical and Chemical Properties

| | |
|----------------------|---------------------|
| Odor/Appearance: | SOLVENT/BLACK PASTE |
| Color: | BLACK |
| Physical State: | PASTE |
| pH: | N/A |
| Vapor Pressure: | NOT ESTABLISHED |
| Vapor Density: | >1 |
| Boiling Point: | N/A |
| Melting Point: | N/A |
| Freezing Point: | N/A |
| Solubility in Water: | NEGLIGIBLE |
| Specific Gravity: | 0.9724 |
| % Volatile Weight: | 31.0 |

Section 10 - Reactivity/Stability

Stability:

Stable

Incompatible Products:

Avoid contact with strong oxidizing agents.

Conditions to Avoid Polymerization:

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

| | |
|-------------|---------------|
| Eyes: | SEE SECTION 3 |
| Ingestion: | " " " |
| Inhalation: | " " " |
| Skin: | " " " |
| Subchronic: | " " " |
| Chronic: | " " " |

Section 12 - Ecological Information

Ecotoxicological Data: N/A
Chemical Fate: N/A

Section 13 - Disposal Considerations

RCRA Class:
D018 - TCLP BENZENE(RQ = 10.0 LB)

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.

EPA Reportable Quantities

N/A

Section 14 - Transportation Data

DOT Shipping Name: NOT REGULATED
DOT Hazard Class:
DOT Label:
UN/NA Number:
Packing Group:
Special Provisions:
Packaging

Exceptions:
Non-Bulk:
Bulk:

Quantity Limitations

Passenger Aircraft or Railcar:
Cargo Aircraft:

Vessel Stowage Requirements

Vessel Stowage:
Other Stowage:

Transportation Notes: N/A

Section 15 - Regulatory Information

TSCA Status: On the TSCA Inventory
OSHA Status: Considered hazardous based on the following criteria:
Irritant
Sensitizer

Target Organs

Liver
Kidney
Nerve
Reproductive
Lung
Skin
Eye
Bladder, Spleen

OSHA Hazardous Components

CAS Number

SILICA, AMORPHOUS, PRECIPITATED

7631-86-9

| | |
|----------------------------|-----------|
| * CARBON BLACK | 1333-86-4 |
| * ASPHALT | 8052-42-4 |
| * COAL TAR | 8007-45-2 |
| ETHYL BENZENE | 100-41-4 |
| TOLUENE (METHYLBENZENE) | 108-88-3 |
| XYLENES (DIMETHYLBENZENES) | 1330-20-7 |

* - CHEMICAL IS LISTED AS AN IARC, NTP, OSHA, or ACGIH CARCINOGEN

Compliance Quantities

N/A

SARA 311 Ratings

Immediate Health Hazard: Y
Delayed Health Hazard: Y
Fire Hazard: Y
Reactivity Hazard: N
Sudden Release of Pressure Hazard: N

SARA 313 Ingredients

| ----- | CAS Number |
|----------------------------|------------|
| ETHYL BENZENE | 100-41-4 |
| TOLUENE (METHYLBENZENE) | 108-88-3 |
| XYLENES (DIMETHYLBENZENES) | 1330-20-7 |

Proposition 65 Ingredients

Chemicals known to the State of California to cause cancer,
birth defects and/or other reproductive harm.

| ----- | CAS Number |
|-------------------------|------------|
| ASPHALT | 8052-42-4 |
| COAL TAR | 8007-45-2 |
| TOLUENE (METHYLBENZENE) | 108-88-3 |
| BENZENE (<0.003%) | 71-43-2 |

Section 16 - Other 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 HIS OWN INVESTIGATION OF COMPLIANCE WITH APPLICABLE
REGULATIONS, INCLUDING THE SAFE USE OF THE PRODUCT UNDER EVERY FORESEEABLE
CONDITION.