



TREMCO MATERIAL SAFETY DATA SHEET

1 - PRODUCT INFORMATION

READ ALL DATA BELOW CAREFULLY FOR SAFER USE

TRADE NAME : VULKEM 202 PART A
CODE NUMBER : 302-802
WHMIS CLASS : D2A, D2B
P.I.N. : Not regulated
PRODUCT USE : Waterproofing coating

MANUFACTURER:
TREMCO CANADA DIVISION, RPM CANADA
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2 - HAZARDOUS INGREDIENTS

Ingredient	: %Wt./wt.:	CAS Number	: LD50 mg/kg	: LC50 mg/m3
SILICA (CRYSTALLINE)	0.1-1.0	014808-60-7	Not available	Not available
COAL TAR	7-13	065996-89-6	Not available	Not Available
AROMATIC POLYISOCYANATE RESIN	15-40	Not Available	Not avail	Not avail
CARBON BLACK See Section 5	1-5	001333-86-4	Not available	Not available
XYLENE ISOMERS	1-5	001330-20-7	4300 rat oral	6700 ppm rat 4H
ETHYL BENZENE	0.1-1.0	000100-41-4	3500 rat oral	4000 rat 4H
TOLUENE DIISOCYANATE	0.1-1.0	000091-08-7	5800 mg/kg Rat	14 ppm/4hr rat
TOLUENE DIISOCYANATE 2.4 ISOMER	0.1-1.0	000584-84-9	5800 mg/kg Rat	14 ppm/4hr rat
POLYMERIC MDI	0.1-1.0	009016-87-9	>5000 rat oral	370-490, rat 4H
AROMATIC OIL	15-40	064741-62-4	Not Available	Not Available
DIPHENYL METHANE DIISOCYANATE	0.1-1.0	000101-68-8	>15,800 rat oral	370 rat

3 - PHYSICAL DATA

APPEARANCE : Black liquid
ODOUR : Aromatic
SOLUBILITY IN WATER : Negligible
VAPOUR DENSITY : Is heavier than air
EVAPORATION RATE : Is slower than Ether
SPECIFIC GRAVITY : 1.07
PERCENT VOLATILE WT/WT: 1-5
ADDITIONAL INFORMATION: No Information.

4 - FIRE OR EXPLOSION HAZARD

FLASH POINT: 93 C (SETAFLASH CLOSED CUP)
MEANS OF EXTINCTION: If water is ineffective, use carbon dioxide, dry chemical or foam.
CONDITIONS OF FLAMMABILITY: Heat and sources of ignition may cause combustion.
HAZARDOUS COMBUSTION PRODUCTS: May produce smoke, fumes, oxides of carbon and nitrogen and HCN.

5 - TOXICOLOGICAL PROPERTIES

ROUTES OF ENTRY: SKIN CONTACT, SKIN ABSORPTION, INHALATION, INGESTION, EYE CONTACT
ACUTE EXPOSURE EFFECTS: EYES: May cause irritation on contact. SKIN: May cause irritation or sensitization. INHALATION: Overexposure may cause headache, dizziness, drowsiness, coughing or irritation of the respiratory system. INGESTION: May cause nausea, vomiting, irritation of the intestinal tract or more serious injury depending on the quantity ingested. The TLV for xylene is 100 ppm. The TLV for carbon black is 3.5 mg/m3. The TLV for ethyl benzene is 100 ppm. The TLV for crystalline silica is 0.1 mg/m3. The TLV for isocyanates is 0.005 ppm. The TLV for coal tar is 0.2 mg/m3.
CHRONIC EXPOSURE EFFECTS: Overexposure may cause dermatitis, asthma, skin and respiratory sensitization and decreased lung function. May aggravate persons sensitized to amines. Carbon black is a suspected carcinogen according to IARC. Crystalline silica is a recognized carcinogen by IARC, however it is at low concentration and is bound so it should not cause significant adverse effects. Repeated overexposure to xylene may increase risk of injury to the liver, kidneys, heart, blood, brain and respiratory system unless suitable engineering controls and/or protective equipment are used. Prolonged xylene overexposure may affect fetal development but the risk of this effect should be insignificant in well ventilated areas. Overexposure to isocyanates can cause a decrease in lung function and cause skin or respiratory sensitization.
NOTES: Carbon black is normally bound by resins and should not cause adverse effects

unless made airborne.

6 - FIRST AID: Get immediate medical attention for any significant overexposure

GENERAL FIRST AID: EYES: Flush with water for at least 15 minutes while holding eyelids apart. Get medical attention immediately after. INGESTION: Do not induce vomiting. Call nearest Poison Control Center (for Toronto call 416-813-5900). If conscious 1-2 ounces of water may be given. Do not provide large amounts of liquid unless advised by physician. INHALATION: Remove person from exposure. Avoid further overexposure. Provide artificial respiration if necessary. SKIN: Clean with handcleaner, then with soap and water.

7 - REACTIVITY DATA

STABILITY CONDITIONS: Stable under normal conditions of use.
INCOMPATIBLE CLASSES: Strong acids, bases or oxidizers and water, moisture, alcohols, amines, etc

8 - PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Use professional judgement in selection, care and use.
EYES: Use suitable eye protection, eg safety glasses, goggles or face shield if eye contact is possible. Do not wear contact lenses. Have eyewash facility readily available. SKIN: Use suitable impervious nitrile gloves and protective apparel to reduce exposure.
RESPIRATION: Use full engineering controls before relying on PPE. Use SCBA or positive pressure air supplied respirator with full face mask to reduce the isocyanate vapors below the regulated limit if application conditions warrant it.
ENGINEERING CONTROLS: Reduce vapours below the TLV with maximum general ventilation and or local exhaust. Use full engineering controls before relying on PPE.
SPILLS LEAKS AND WASTE DISPOSAL: Use personal protective equipment. REMOVE SOURCES OF IGNITION IMMEDIATELY. Scoop up or absorb with inert material and transfer to suitable container for disposal. Dispose as HAZARDOUS WASTE according to all local, provincial and federal regulations.
HANDLING AND STORAGE PROCEDURES: KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL USE ONLY. Avoid heat and all ignition sources, eg: sparks, flame, cigarettes etc. during transportation, storage, handling and application. Use spark proof tools and explosion proof equipment if conditions warrant them. Avoid ingestion, inhalation of vapours and skin or eye contact. Keep skin and apparel clean to reduce exposure. Precautions apply also to empty containers. Keep food away from vapours. Do not use inside occupied buildings. Seal all openings to occupied sections until vapours dissipate. Store under dry warehouse conditions away from heat and all ignition sources.

9 - PREPARATION INFORMATION: Deleted subcategories have no information available

PREPARED BY: Sewnauth Raghunandan DATE PREPARED: 08/28/03 TELEPHONE: 416-421-3300