



MATERIALS SAFETY DATA SHEET

SECTION 1 - PRODUCT INFORMATION

Product Name: **Waterproofing Membrane**
 Product Type: Rubberized Asphalt Waterproofing Membrane
 Product Use: Waterproofing Membrane on horizontal or vertical surfaces

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SECTION 2 - HAZARDOUS INGREDIENTS

Ingredients	% CAS#	Exposure Limit
Asphalt (for fumes)	10-30%	8052-42-4 5mg/m ³
Cement	10%	n/a n/a
Plasticizer	5%	n/a n/a
Filler	30-40-%	n/a n/a
rubber	5010%	n/a n/a

SECTION 3 - PHYSICAL DATA

Physical State: Solid
 Odour and Appearance: Black, sticky, semi-solid at 25°C,
 Oily odour when liquid
 Odour Threshold (ppm): Not applicable
 Percent Volatile by Volume (%): 0
 Vapour Pressure (mm Hg): 0 @ 25°C
 Vapour Density: Not applicable
 Evaporation Rate: (BuAC = 1): Not applicable
 Boiling Point (°C) Initial: 370°
 Freezing Point (°C): Not applicable
 Specific Gravity (Water = 1): 1.15 - 1.35
 Density (g/ml): 1.15 - 1.35
 Solubility (in water): Insoluble
 Coef. Of Water/Oil Dist: Not available
 PH: Not applicable

SECTION 4 - FIRE AND EXPLOSION HAZARD

Flammability: No
 Conditions of Flammability: Not applicable
 Flash Point (°C): 200° min. Method: Cleveland Open Cup
 Flammable Limits (% Volume) Lower: Upper:
 Auto-Ignition temp (°C): 365° - 485°
 Flammability Units: Not Regulated
 Sensitivity: to Mechanical impact - None to Static Discharge: None
 Hazardous Combustion Products: Black, heavy dense smoke forms
 as a result of combustion, Some SO₂ and traces of CO.
 Main combustion products are H₂O, CO₂ and C.
 Extinguishing Media: Foam, carbon dioxide, dry chemicals and water
 Special Fire Fighting Procedures: Use self-contained breathing apparatus in enclosed areas as well as full body protective gear, including face shield, bunder, coats, gloves and rubber boots

SECTION 5 - PREPERATION OF M.S.D.A

Prepared by: Vulcan Asphalt and Supply Limited

SECTION 6 - REACTIVITY DATA

Chemical Stability: Yes
 Conditions to Avoid: Not applicalbe
 Incompatability (Materials to avoid): None Known
 Conditions of Reactivity: Hot asphalt may froth over and splatter on contact with water
 Hazardous Decomposition Products: Not applicable

SECTION 7 - TOXICOLOGICAL PROPERTIES

Threshold Limit Value: 5mg/m³ for petroleum asphalt fumes
 Effects of Overexposure: High fume concentrations may irritate eyes and nose. Contact with product when hot will cause severe burns
 Irritancy: Fumes can be irritant to eyes and respiratory tract
 Sensitation: None known
 Synergistic Materials: Not Known
 Reproductive Effects: Not applicalbe
 Teralongency: Not applicable
 Mutagenicity: Not applicable

SECTION 8 - FIRST AID MEASURES

Skin: For cold products, wash skin with soap and water. For hot product contact, quench burns with cold water and cover with sterile dressing. DO NOT TRY TO REMOVE PRODUCT. Move victim to HOSPITAL.
 Eyes: Flush with running water for at least 15 minutes. Seek medical attention.
 Inhalation: Move victim to fress air. If irriation persists, administer oxygen and get medical attention.
 Ingestion: Ingestion is unlikely bit if it happens do not induce vomiting and get medical attention.

SECTION 9 - PREVENTATIVE MEASURES

Personal Protective Equipment Eyes - Safety glasses when handling melted product; Gloves - Work gloves, (loose); Clothing - Long sleeved shirts;
 Respiratory: Air purifying respirator approved for dusts, mists and fumes.
 Engineering Controls: Exhaust ventilation required in confined areas
 Leak and Spill Procedure: Allow to cool and solidify. Break up and recover. Scoop up into drums
 Waste Disposal: Bury in approved landfill site as per local regulations
 Handling Procedure: Take necessary precautions when working with hot material.
 Storage Requirements: None
 Shipping Information: None

