



## MATERIAL SAFETY DATA SHEET

### HAZARDOUS INGREDIENTS

ASPHALT 30% TO 60 %

### PHYSICAL DATA

- |                        |   |
|------------------------|---|
| 1. Physical State      | Solid (asphalt coated, Surfaced Sheets)   |
| 2. Odor and Appearance | Slight petroleum odor-sheet forms Colored mineral granules/white talc or sand covered blackish (asphaltic) colors also. |
| 3. Specific Gravity    | 1.8 to 2.5  |
| 4. Boiling Point       | Not Applicable  |
| 5. Vapor Pressure      | Not Applicable  |
| 6. Solubility in Water | Not Applicable  |

### FIRE AND EXPLOSION DATA

Flash point (Method used-COC) Minimum 265 degrees C (approx.)

Flammable limits in air (% by volume)	Unknown
Auto-Ignition Temperature	370-780 degrees C (approx.)
Fire and Explosion Hazards	Addition of water or foam may cause frothing. Flammable gas emitted on heating.
Firefighting Procedures	Use water spray to cool fire exposed containers and as a Protective screen. Do not point solid water directly into burning asphalt to avoid spreading. Self-contained breathing apparatus should be worn to burning.

## REACTIVITY DATA

Stability	Stable
Conditions to Avoid	Excessive heat approaching flash point.
Materials to Avoid	Oxidizing agents, strong acids.
Hazardous Decomposition	CO x, SO x, NO x Sulfur

## ENVIRONMENTAL AND DISPOSAL INFORMATION

Product as produced is in solid state. For disposal use standard approved waste disposal procedures. If heat or fire has affected product and asphalt in fluid state has been released from the product, then allow to cool and solidity. Break it up and collect in appropriate containers such as drums. Dispose of it through approved waste disposal method such as landfill, etc.

## HEALTH HAZARD DATA

This manufactured product as produced and when used under ambient conditions poses no health hazard.

However, if the product is heated beyond 200 degrees or if it catches fire, then the major constituent asphalt (bitumen) will emanate slightly toxic fumes.

Melted asphalt(bitumen from the product could act as a fuel and Contribute to the fire).

## **TOXICITY DATA**

International Agency for Research on Cancer states that there is inadequate evidence that bitumen alone is carcinogenic to humans.

## **EFFECTS OF OVEREXPOSURE**

Inhalation	Fumes from hot asphalt causes nausea, headache and dizziness.
Skin and Eyes	Hot asphalt will burn skin and eyes. Prolonged or repeated skin contact may cause dermatitis.
Ingestion	Ingestion is unlikely.
Note	Under extreme heat, product may liberate hot fluid asphalt.

## **FIRST AID**

Skin	For hot asphalt splash, cool part by immersion or shower. Do not attempt removal of asphalt but split longitudinally if circumferential to avoid tourniquet effect. For skin soiling without underlying burn, cleanse with mineral oil followed by soap and water. Use olive oil in vicinity of eyes.
Eyes	Copious warm water flush for 15 minutes. Physician assessment if eyes inflames. Cleanse soiling with olive oil.
Inhalation	Evacuate to fresh air. Apply Cardio Pulmonary Resuscitation if required. Physician assessment mandatory.
Ingestion	Not applicable.

