

What protection must the employer provide when workers use the product?

#### SECTION V - EMPLOYEE PROTECTION

**VENTILATION:** Outdoor use - ensure adequate ventilation and avoid fumes by working upwind. Indoor use - ensure adequate building ventilation and local exhaust. (See Respiratory Protection below and Section VII on dangers of hydrogen sulfide.)

**RESPIRATORY PROTECTION:** If irritation occurs or if the TLV for asphalt fumes is exceeded, use a NIOSH/MSHA approved air purifying respirator for dust, mists and fumes. In situations where the concentration of H<sub>2</sub>S exceeds the PEL or TLV, supplied air or self-contained breathing apparatus are required. Always use respiratory protection in accordance with your safety program and OSHA regulations under 29 CFR 1910.134.

**PROTECTIVE CLOTHING:** Wear safety goggles or a face shield when material is in liquid form.

**PROTECTIVE CLOTHING:** Wear long sleeved shirt and long pants. Leather or lined neoprene coated gloves should be used when there could be direct contact. Sunscreens may decrease the potential for skin discoloration with chronic exposure.

**WORK/HYGIENIC PRACTICES:** Kettles should be operated at the lowest possible temperature that allows proper application. Kettle should have tight-fitting lids and be used in well ventilated areas. Handle in accordance with good industrial hygiene and safety practices. These include avoiding any unnecessary exposure and removal of the material from the skin, eyes, and clothing. Wash hands and arms frequently. Shower after exposure. Wash work clothes when soiled. Safety showers and eye wash stations should be available.

How do you handle the product safely?

#### SECTION VI - REACTIVITY DATA

**STABILITY (Conditions to Avoid):** Product is stable. However, upon heating, hydrogen sulfide gas (H<sub>2</sub>S) may be generated. (See Section VII of this MSDS for more information on H<sub>2</sub>S.)

**INCOMPATIBILITIES (Materials to Avoid):** Do not allow hot, molten asphalt to contact water as this may cause violent eruptions of hot asphalt. Avoid contact with strong oxidizers.

**REACTIVITY DATA:** Carbon monoxide, carbon dioxide, sulfur oxides, hydrogen sulfide, and various hydrocarbon gases may be released. Hydrogen sulfide gas may be released. (See Section VII.)

**HAZARDOUS REACTIONS:** None known. No reaction will occur.

Is there a danger when the product combines with other chemicals?

#### SECTION VII - STORAGE PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Ensure adequate ventilation. (See Section V above.)

#### SECTION VIII - PHYSICAL DATA

**MELTING POINT (°F):** Not Applicable

**BOILING POINT (°F):** 700

#### SECTION IX - ENVIRONMENTAL PROTECTION

**ACTION TO TAKE FOR SPILLS (Use Appropriate Safety Equipment):** Dike storage tanks to prevent material from entering sewers or waterways. Absorb with inert materials such as sand or vermiculite. Dispose as a solid regulated waste.

**WASTE DISPOSAL METHODS:** Dispose in accordance with federal, state and local regulations as a solid waste. The primary method of disposal is incineration.

In the case of an accidental spill or release, what should be done?