

Common Name: **ASPHALT, OXIDIZED**

Synonyms: Bitumens, Oxidized; Blown Asphalt

CAS No: 64742-93-4

Molecular Formula: Mixture

RTK Substance No: 3197

Description: Air-refined or air-blown type of *Bitumens* which are blackish-brown, cement-like solids, semi-solids or liquids depending on the formulation or mixture of Asphalt used

HAZARD DATA

| Hazard Rating | Firefighting | Reactivity |
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| 3 - Health 1 - Fire 0 - Reactivity DOT#: UN 1999 ERG Guide #: 130 Hazard Class: 3 (Flammable) | Use dry chemical, CO ₂ , or foam as extinguishing agents. DO NOT use straight water streams. Water spray and foam must be applied carefully to avoid frothing. POISONOUS GASES ARE PRODUCED IN FIRE, including <i>Sulfur Oxides</i> , <i>Hydrogen Sulfide</i> and <i>Formaldehyde</i> . Use water spray to keep fire-exposed containers cool. DO NOT direct water directly into any container, vessel or tank containing HOT <i>Asphalt</i> as violent eruptions may occur. | Asphalt, Oxidized is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE). HOT Asphalt, Oxidized may ignite flammables on contact. Significant concentrations of <i>Hydrogen Sulfide</i> can occur and accumulate in storage tanks and bulk transport containers. Use only non-sparking tools and equipment, especially when opening and closing containers of Asphalt, Oxidized . |

| SPILL/LEAKS |
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| Isolation Distance: Spills: 50 meters (150 feet) Fire: 800 meters (1/2 mile) Absorb liquids in vermiculite, dry sand, earth, or a similar material and deposit in sealed containers. Hot product can harm plant life. This chemical does not accumulate in the food chain or environment. |

| PHYSICAL PROPERTIES |
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| Odor Threshold: Petroleum odor Flash Point: >400°F (204°C) LEL: 0.9% UEL: 7% Autoignition Temperature: 905°F (485°C) Vapor Pressure: 3 mm Hg at 68°F (20°C) Specific Gravity: 0.95 to 1.1 (water = 1) Water Solubility: Insoluble Boiling Point: 700°F (371°C) Melting Point: 86°F to 266°F, (54°C to 173°C) |

| EXPOSURE LIMITS |
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| NIOSH: 5 mg/m ³ , 15-minute Ceiling (as <i>Asphalt fume</i>) ACGIH: 0.5 mg/m ³ , 8-hr TWA (as <i>Asphalt fume</i>) 1 ppm, 8-hr TWA; 5 ppm STEL (as <i>Hydrogen Sulfide</i>) IDLH: 100 ppm (as <i>Hydrogen Sulfide</i>) |

| PROTECTIVE EQUIPMENT |
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| Gloves: Insulated Rubber Coveralls: DuPont Tychem® F, Responder® and CPF 2, CPF 3, CPF 4; ONESuit® TEC; and Kappler Zytron® 300 and 500 Boots: Insulated Rubber Respirator: >0.5 mg/m ³ (as <i>Asphalt fume</i>) or >1 ppm <i>Hydrogen Sulfide</i> gas - Supplied air |

| HEALTH EFFECTS |
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| Eyes: Irritation Skin: Irritation, severe burns, dermatitis and pigment change Acute: Nose, throat and lung irritation with coughing, wheezing and/or shortness of breath Headache, dizziness, nausea and vomiting Chronic: Cancer (skin) in animals. Bronchitis with cough, phlegm, and/or shortness of breath. |

| FIRST AID AND DECONTAMINATION |
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| Remove the person from exposure. Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while flushing. Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water. Seek medical attention. Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped. Transfer promptly to a medical facility. |