

SECTION IV continued

HEALTH INFORMATION

HEALTH EFFECTS: From skin-painting studies in laboratory animals, it has been concluded that some asphalts may possess weak carcinogenic activity. This means that workers who practice poor personal hygiene, and who are repeatedly exposed by direct skin contact to petroleum asphalt over many years, may potentially be at risk of developing skin cancer. Intermittent or occasional skin contact with petroleum asphalt is not expected to have serious health effects as long as good personal hygiene measures, such as those outlined in this material safety data sheet, are followed. In addition, asphalt vapors may contain polycyclic aromatic hydrocarbons, some of which are known to be carcinogenic. Therefore, prolonged breathing of vapors should be avoided.

SECTION V

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: If irritation or redness develops, move victim away from exposure source and into fresh air. Flush eyes with water for fifteen (15) minutes. If symptoms persist, seek medical attention.

SKIN CONTACT: Wash with mild soap and water to remove condensed oil film. After contact with hot molten liquid, do not attempt to remove congealed solid; cool area with water and get medical attention. Do not use petroleum solvents to remove solid.

INHALATION: If respiratory symptoms develop, move victim away from exposure source and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

INGESTION: Dilute with liquid unless the victim is unconscious or very drowsy. If vomiting spontaneously occurs, keep the victim's head below the hips to prevent aspiration into the lungs. Consult a physician, hospital, or poison control center and/or transport to and emergency facility immediately.

SECTION VI

FIRE AND EXPLOSION HAZARDS

FLAMMABILITY CLASSIFICATION - NFPA : Not regulated
- DOT : Not regulated

FLASH POINT: 485 degrees F

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical, or Carbon Dioxide.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS: Clear fire area of unprotected personnel. Do not enter confined fire space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None recognized.

SECTION VII

REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION : Will not occur

CONDITIONS AND MATERIALS TO AVOID: Avoid oxidizing materials and strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides and compounds of Nitrogen, oxides and compounds of Sulfur. Combustion may yield Carbon Dioxide, Carbon Monoxide, and/or incomplete combustion products. Do not breathe smoke or fumes. Wear appropriate protective equipment.

SECTION VIII

EMPLOYEE PROTECTION

RESPIRATORY PROTECTION: Use ventilation as required to control vapor concentrations - at least 10 air changes per hour are recommended for good general room ventilation. If exposure exceeds the PEL/TLV, use the appropriate NIOSH approved respirator.

PROTECTIVE CLOTHING: Wear safety glasses, goggles, or a splash shield to prevent eye contact. Contact lenses should not be worn. Wear appropriate gloves and protective clothing to prevent contact with skin and clothing.

ADDITIONAL PROTECTIVE MEASURES: Eye wash fountains and safety showers should be available for use in an emergency.

SECTION IX

ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES: LARGE SPILLS>> Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. If vapor cloud forms, water fog may be used to suppress; contain run-off. Place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. SMALL SPILLS>> Place in non-leaking containers; seal tightly for proper disposal.

WASTE DISPOSAL: Observe all Federal, State and local regulations regarding proper disposal.

SECTION X

ADDITIONAL PRECAUTIONS

Containers can contain hazardous product residues even when empty. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

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