

## DSMATERIAL SAFETY DATA SHEET

---

**MANUFACTURER**    **Pure Asphalt Company**  
**3455 W. 31<sup>st</sup> Place**  
**Chicago, IL 60623**

**Technical product information:**  
773-247-7030

**DATE PREPARED:** 6-12-12  
**SUPERSEDES MSDS DATED:** 08-31-07

**Emergency spill and health information:**  
773-247-7030 (CHEMTREC)

### 1. PRODUCT IDENTIFICATION:

**PRODUCT NAME(S): #76-M**

**PRODUCT DESCRIPTION:** Water Based Protective Chassis Coating / Underbody Coating

### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

#### **Hazardous Ingredients**

<b>COMPONENT</b>	<b>CAS NUMBER</b>	<b>%</b>	<b>OSHA - PEL</b>	<b>TLV</b>
Petroleum Hydrocarbons	8052-42-4	30 – 40	* N/E	5 mg/m <sup>3</sup> , 8-hr.TWA

\*OSHA has not established a specific PEL for CAS 8052-42-4 petroleum hydrocarbon fumes. They are considered as "particulate not otherwise regulated" with a PEL of 5 mg/m<sup>3</sup> for the respirable dust and fraction and 15 mg/m<sup>3</sup> for total dust fraction.

### 3. HAZARDS IDENTIFICATION:

**HEALTH HAZARDS** (including acute and chronic effects and symptoms of overexposure)

#### **Acute:**

**Inhalation:** May cause respiratory irritation.

**Skin Contact:** May cause irritation and dermatitis.

**Eye Contact:** May cause severe irritation.

#### **Chronic:**

Prolonged or repeated skin contact with this product may result in irritation and dermatitis. IARC has classified extracts of steam and air refined bitumens as group 2b.

Therefore, good, prudent industrial hygiene practices as outlined in this MSDS should be followed.

**Medical Conditions Aggravated by Exposure:** Persons with a history of chronic skin or respiratory disorders may be increased risk for worsening their conditions from exposure to this product.

### 4. FIRST AID

- **EYE:** Flush eyes with plenty of water.
- **SKIN:** Wash off with waterless hand cleaner and rinse with flowing water or shower.
- **INGESTION:** If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
- **INHALATION:** Remove to fresh air if effects occur. Consult a physician.

**NOTE TO PHYSICIAN:** No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

### 5. FIRE FIGHTING MEASURES

#### **FLAMMABLE PROPERTIES:**

Flash Point (F)    Not considered Flammable or Combustible; HMIS Rating = 0  
Method Used: Closed Cup

#### **FLAMMABILITY LIMITS:**

LFL:                    Not applicable

HAZARDOUS COMBUSTION PRODUCTS: If burned, produces a dense, black smoke and noxious gasses (carbon monoxide and hydrocarbons).

OTHER FLAMMABILITY INFORMATION: Do not direct water on substance. Water may be used to cool closed containers. In a substance fire, use self-contained breathing apparatus.

EXTINGUISHING MEDIA: Foam, carbon dioxide, or dry chemical.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Wear positive-pressure, self-contained breathing apparatus and full protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES: (See Section 15 for Regulatory Information)

PROTECT PEOPLE: Avoid unnecessary exposure and contact.

PROTECT THE ENVIRONMENT: Avoid dilution to minimize the extent of the spill.

CLEANUP: Dike and contain with inert material (i.e., dirt or sand), in order to prevent entering municipal sewers or surface waters. Recover and recycle spilled materials if possible, otherwise collect with absorbent material and transfer to appropriate containers for disposal.

Dispose in accordance with federal, state and local regulations.

## 7. HANDLING AND STORAGE:

HANDLING: Practice reasonable care to avoid repeated, prolonged skin contact.

STORAGE: **Keep From Freezing, store at temperatures between 40° F and 110° F.**

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

EXPOSURE GUIDELINE(S): Use proper PPE to stay below PEL, TLV and REL limits

ENGINEERING CONTROLS: If atomizing ensure adequate building ventilation and local exhaust.

RESPIRATORY PROTECTION: If irritation occurs, or if the PEL's, TLV's or NIOSH - REL's are exceeded, use a NIOSH/MSHA approved air purifying respirator with organic vapor cartridges or canisters and a dust/mist pre-filter. In situations where the concentration of H<sub>2</sub>S exceeds the PEL or TLV, supplied air respirators or self contained breathing apparatus are required. Always use respiratory protection in accordance with your company's respiratory protection program and OSHA regulations under 29 cfr 1910.134.

SKIN PROTECTION: Wear clean, long-sleeved, body-covering clothing. Use gloves impervious to this material.

EYE/FACE PROTECTION: Wear safety glasses to avoid eye splash

Work/Hygienic Practices: Handle in accordance with good industrial hygiene and safety practices. These practices 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

- Appearance: Dark gray to black liquid mastic paint.
- Odor: Light odor.
- Melting Point (F): Not applicable
- Specific Gravity: (H<sub>2</sub>O=1): 1.0 - 1.2
- Vapor Pressure: (mmHg @ 20 C): 23.5
- Evaporative Rate (Ethyl Ether = 1): Not determined
- Appearance and Odor: Dark Grey to Black liquid
- Boiling Point (F): Not determined, 212 degrees for water
- Percent Volatile by Volume: 45-50% water
- Vapor Density (air = 1): Not determined
- Solubility in Water: Soluble
- VOC content zero lbs per gallon
- PH: 8.5 - 9.5

**10. STABILITY AND REACTIVITY:**

CHEMICAL STABILITY: Stable. Dried coating is combustible.

INCOMPATIBILITY WITH OTHER MATERIALS: Addition of chemicals may cause coagulation.

HAZARDOUS DECOMPOSITION PRODUCTS: Refer to section 5 for hazardous combustion products.

**11. TOXICOLOGICAL INFORMATION:** (See section 3 for Potential Health Effects. For detailed toxicological data, write or call the address or non-emergency number shown in Section 1).

SKIN: The dermal LD50 has not been determined. The LD50 for skin absorption in rate is expected to be >200 mg/kg, based on data for a similar material.

INGESTION: The oral LD50 for rate is >500 mg/kg for similar materials.

**12. ECOLOGICAL INFORMATION:** (For detailed ecological data, write or call the address or non-emergency number shown in Section 1).**ENVIRONMENTAL FATE:**

MOVEMENT'S PARTITIONING: No bioconcentration of the asphalt component is expected because of its high molecular weight. Dispersions will color water.

DEGRADATION AND TRANSFORMATION: The asphalt component is not expected to biodegrade.

ECOTOXICITY: Material is slightly toxic to aquatic organisms on an acute basis (LC50 between 10 and 100 mg/L in most sensitive species).

**13. DISPOSAL CONSIDERATION:** (see Section 15 for Regulatory Information).

DISPOSAL: Any disposal practice must be in compliance with all federal, state/provincial, and local laws and regulations. State/provincial and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Regulations may also vary in different locations. Chemical additions, processing, storage, or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the materials. None of these waste management options should be considered "arranging to disposal."

Do not allow into any sewers, on the ground, or into any body of water.

The preferred waste management option for unused, uncontaminated, unformulated, or not otherwise altered material is to reuse or recycle. Other waste management options are to send to a properly licensed or permitted recycler, reclaimer, or incinerator. The same waste management options are recommended for used or contaminated material, although additional evaluation is required. Refer to 40 CFR Section 261, and/or any other appropriate federal, state, provincial, or local requirements for proper classification information. For additional information, see MSDS Regulatory Information (Section 15).

**14. TRANSPORT INFORMATION:**

For Industrial / Professional Use Only – Keep out of reach of Children

Department of Transportation: This product is not regulated by DOT when shipped domestically by land. Shipping Classification: 170080

**15. REGULATORY INFORMATION:**

U.S. REGULATIONS:

SARA 313 INFORMATION: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories," promulgated under Section 311 and 313 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III), and is considered, under applicable definitions, to meet the following categories:

*Not to have met any hazard category.*

CANADIAN REGULATIONS:

WHMIS INFORMATION: The Canadian Workplace Hazardous Materials Information System (WHMIS) Classification for the product is:

*This product is not a "Controlled Product" under WHMIS.*

**16. OTHER INFORMATION:**

MSDS STATUS: Revised per ANSI Z400.1

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein.