



# INSTACOAT™ Material Safety Data Sheet

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|---|--|
| <b>1. Product And Company Identification</b>  |  |
| <b>Supplier</b><br><b>Asphalt Materials, Inc.</b><br><b>5400 West 86th Street</b><br><b>Indianapolis, IN 46268</b><br><br><b>Company Contact:</b> Douglas A. Lozier<br><b>Telephone Number:</b> (317) 875-4670  | <b>Manufacturer</b><br><b>Asphalt Materials, Inc.</b><br><b>5400 West 86th Street</b><br><b>Indianapolis, IN 46268</b><br><br><b>Company Contact:</b> Douglas A. Lozier<br><b>Telephone Number:</b> (317) 875-4670 |
| <b>Supplier Emergency Contacts &amp; Phone Number</b><br><b>CHEMTREC: (800) 424-9300</b><br><b>Safety Office: (317) 875-4670</b>  | <b>Manufacturer Emergency Contacts &amp; Phone Number</b><br><b>CHEMTREC: (800) 424-9300</b><br><b>Safety Office: (317) 875-4670</b>   |
| <b>Issue Date:</b> 03/02/2006<br><br><b>Product Name:</b> INSTACOAT<br><b>Chemical Family:</b> Emulsified complex petroleum hydrocarbon and water<br><b>MSDS Number:</b> 504<br><br><b>Synonyms</b><br>ANIONIC ASPHALT EMULSION<br>EMULSIFIED ASPHALT |  |

|   |                            |            |                         |
|---|----------------------------|------------|-------------------------|
| <b>2. Composition/Information On Ingredients</b>  |                            |            |                         |
|   | Ingredient Name            | CAS Number | Percent Of Total Weight |
|   | ADDITIVE B, Proprietary    | Mixture    | 0 - 5                   |
|   | LATEX, Proprietary         | Mixture    | 5 - 25                  |
|   | PETROLEUM ASPHALT          | 8052-42-4  | 35 - 65                 |
|   | TALL OIL SOAP, Proprietary | Mixture    | 0.5 - 5                 |
|   | WATER                      | 7732-18-5  | 25 - 45                 |
| <p>Asphalt: Asphalt is a complex mixture of high molecular weight hydrocarbons produced from crude petroleum. Composition varies depending on the source of crude and the specifications of the final product.</p> <p>ACGIH: The American Conference of Governmental Industrial Hygienists recommends an exposure limit of 0.5 mg/cu. meter as benzene-extractable inhalable particulate (or equivalent method) to avoid irritation of the conjunctive mucous membranes. Historical information on exposure of asphalt workers used methods different than recommended by ACGIH, so comparisons to the recommended exposure limits are not known.</p> |                            |            |                         |

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| <b>3. Hazards Identification</b>   |
| <b>Eye Hazards</b><br>Emulsified asphalt can cause minor thermal burns and eye irritation.   |
| <b>Skin Hazards</b><br>Emulsified asphalt can cause minor thermal burns. Frequent or prolonged contact can cause irritation and dermatitis.          |
| <b>Ingestion Hazards</b><br>Product has low order of acute oral toxicity.  |
| <b>Inhalation Hazards</b><br>Vapors and Fumes can cause irritation to nasal and respiratory tract. Extended exposure can cause dizziness and nausea. |

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## 4. First Aid Measures

### Eye

Gently flush with large amounts of water. Call a physician immediately.

### Skin

Remove emulsified asphalt with waterless hand cleaner and wash with soap and water. If irritation occurs, call a physician.

### Ingestion

If ingested, call a doctor immediately, and follow directions.

### Inhalation

Move person to fresh air immediately. If not breathing give artificial resuscitation. Immediately call a physician.

## 5. Fire Fighting Measures

**Flash Point:** N.A. °F

**Autoignition Point:** >400 °F

**Lower Explosive Limit:** N.A.

**Upper Explosive Limit:** N.A.

### Extinguishing Media

Foam, Carbon Dioxide, Dry Chemical, and Water Spray may all be suitable in extinguishing fires involving this product. Avoid using water streams to prevent frothing. Use water spray to cool exposed surfaces.

## 6. Accidental Release Measures

Stop source of leak. Eliminate sources of ignition. Contain by diking or impounding. Absorbants can be used to contain spill. After containment, emulsified asphalt can be collected for disposal. Advise authorities if product has entered a sewer or water source. Assure conformity with local, state, and federal governmental regulations for disposal.

## 7. Handling And Storage

### Handling And Storage Precautions

When opening covers and outlet cap on storage tanks, use faceshield and gloves to avoid possible injury from pressurized asphalt. Hydrogen sulfide can be generated and accumulated in storage tanks and bulk transport compartments. Stay upwind and vent storage hatches before unloading. Keep heating units and flues in storage tanks covered with at least 12 inches of asphalt. Do not overheat.

Empty Container Warning: Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

## 8. Exposure Controls/Personal Protection

### Engineering Controls

Local or general exhaust required if in an enclosed area to remain below the TLV.

### Eye/Face Protection

Safety goggles or chemical splash goggles if splashing is anticipated.

### Skin Protection

Oil impervious gloves, such as Neoprene, if frequent or prolonged contact is expected.

### Respiratory Protection

If high vapors are expected, use respirator approved for organic vapors. Observe respirator protection factor criteria cited in ANSI Z88.2 (1980). Self contained breathing apparatus should be used for fire fighting.

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## 8. Exposure Controls/Personal Protection - Continued

### Other/General Protection

Wear body covering clothes to avoid prolonged or repeated exposure. Launder before reuse.

### Ingredient(s) - Exposure Limits

ADDITIVE B, Proprietary

OSHA PEL: 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction)

LATEX, Proprietary

OSHA PEL: Not established for this material

PETROLEUM ASPHALT

OSHA PEL: Not established for this material.

ACGIH TLV: 0.5 mg/m<sup>3</sup> as benzene-extractable inhalable particulate (or equivalent method).

TALL OIL SOAP, Proprietary

OSHA PEL: Not established for this material.

## 9. Physical And Chemical Properties

### Appearance

Brown Liquid

### Odor

Characteristic Asphalt Odor

**Chemical Type:** Mixture

**Boiling Point:** 212 °F

**Specific Gravity:** 0.92-1.05

**Molecular Weight:** 280

**Percent VOCs:** 0.00

**Vapor Pressure:** <1mm-10mm Hg @ 77 F

**Vapor Density:** >1.0

**pH Factor:** 7-11

**Solubility:** Completely

## 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

### Incompatible Materials

Strong Oxidizers

### Hazardous Decomposition Products

Fumes, Smoke, Carbon Monoxide, Hydrogen Sulfide, Sulfur Dioxide, Aldehydes, and Hydrocarbons.

## 11. Toxicological Information

ASPHALT: The International Agency for Research on Cancer has determined that there is sufficient evidence for the carcinogenicity of extracts of steam-refined bitumens, air-refined bitumens and pooled mixtures of steam- and air-refined bitumens in experimental animals. However, this product does not use extracts in its formulation. Asphalt products, properly handled as outlined in this MSDS, are not expected to cause cancer in humans. Skin contact, breathing of mists, fumes, or vapors should be reduced to a minimum to avoid any ill effects. Chronic health effects would not be expected as long as good hygiene and proper safety precautions are practiced.

A4 Not classifiable as a Human Carcinogen - Asphalt Coal Tar Free

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**12. Ecological Information**

May cause fouling of water. May be toxic to aquatic animals.

**13. Disposal Considerations**

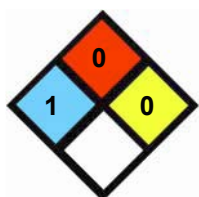
Waste or contaminated asphalt is normally disposed in a special waste or industrial landfill. Consider recycling into pavement mixtures whenever possible.

**14. Transport Information****Proper Shipping Name**

(Not considered a DOT-hazardous material)

**15. Regulatory Information****SARA Hazard Classes**

Acute Health Hazard

**NFPA****HMIS**

|                     |     |
|---------------------|-----|
| HEALTH              | 1   |
| FLAMMABILITY        | 0   |
| REACTIVITY          | 0   |
| PERSONAL PROTECTION | B,X |

**16. Other Information****Precautionary Label**

**CAUTION - EMULSIFIED ASPHALT**  
May produce minor burns on contact

**Revision/Preparer Information**

**MSDS Preparer: Douglas A. Lozier**  
**MSDS Preparer Phone Number: (317) 875-4670**

**Reference Documentation**

Information supplied by Herbert Wissel, Heritage Research Group, Indianapolis, Indiana.

**Disclaimer**

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**Asphalt Materials, Inc.**