

MATERIAL SAFETY DATA SHEET

Product: **ASPHALT EMULSION SS-1H**

MANUFACTURER:

Seal Coat Supply, Inc.

1735 W 1000 N

Layton UT 84041

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PHONE NUMBERS:

Emergency: (801) 546-1839

Date of Preparation: **January 1, 2008**

A. *Product Identification*

Synonyms: Not Established
Chemical Name: Asphalt/Water Emulsion
Chemical Family: Hydrocarbon
Chemical Formula: Mixture
CAS Reg. No.: Mixture
Product No.: 38090, 38095

Product and/or Components Entered on-EPA's TSCA Inventory: Yes

B. *Hazardous Components*

Ingredients	CAS Number	% By Wt.	OSHA PEL	ACGIH TLV
Asphalt	8052-42-4	63-65	NE	5 mg/m ³ *
Water	7732-18-5	35-37	NE	NE

*Asphalt (petroleum) fumes.

C. *Personal Protection Information*

Ventilation: Use adequate ventilation to control exposure below recommended levels.

Respiratory Protection: For concentration exceeding the recommended exposure level, use NIOSH/MSHA approved air-purifying respirator.

Eye Protection: Use safety glasses with side shields.

Skin Protection: Use impervious gloves. Use protective garments to prevent excessive skin contact.

NOTE: Personal protection information shown in Section C is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

NA - Not Applicable NE - Not Established

D. Handling and Storage Precautions

Avoid inhalation of fumes and skin and eye contact. Wear protective equipment and/or garments described above if exposure conditions warrant. Wash hands after handling. Launder contaminated clothing before reuse.

Store in cool, well-ventilated area. Provide means of controlling leaks and spills. Keep containers closed.

E. Reactivity Data

Stability:	Stable
Conditions to Avoid:	Not Applicable
Incompatibility (Materials to Avoid):	Not Established
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid:	Not Applicable
Hazardous Decomposition Products:	Carbon Oxides, hydrogen sulfide and various hydrocarbons formed when heated.

F. Health Hazard Data

Recommended Exposure Limits:

See Section B.

Acute Effects of Overexposure:

Eye:	May be irritating.
Skin:	May be irritating. Prolonged contact may result in drying and cracking of skin.
Inhalation:	May be slightly irritating to nose and upper respiratory tract.
Ingestion:	Low toxicity, however may cause gastrointestinal upset or blockage.

Sub-chronic and Chronic Effects of Overexposure:

No known applicable information.

Other Health Effects:

Contains small quantities of PNA, which have not been shown to be a human health risk in asphalt. Health surveys and human experience indicate no cases of lung or skin cancers as a result of asphalt exposure.

NA - Not Applicable NE - Not Established

Health Hazard Categories:

	Animal	Human		Animal	Human
Known Carcinogen	—	—	Toxic	—	—
Suspect Carcinogen	—	—	Corrosive	—	—
Mutagen	—	—	Irritant	—	—
Teratogen	—	—	Target Organ Toxin	—	—
Allergic Sensitizer	—	—	Specify -- No known applicable information.		
Highly Toxic	—	—			

First Aid and Emergency Procedures:

Eye:	Flush eyes with running water for at least 15 minutes. If irritation develops, seek medical attention.
Skin:	Wash with soap and water. If irritation develops, seek medical attention.
Inhalation:	Remove from exposure. If breathing is difficult, give oxygen and seek medical attention.
Ingestion:	If illness or adverse symptoms develop, seek medical attention.

G. Physical Data

Appearance:	Dark brown emulsion
Odor:	Mild
Boiling Point:	212 - 1100 F (100 - 593 C)
Vapor Pressure:	Not established
Vapor Density (Air = 1):	Not established
Solubility in Water:	Moderate
Specific Gravity (H ₂ O = 1):	1.0
Percent Volatile by Volume:	35 - 37
Evaporation Rate (Butyl Acetate=1):	< 1
Viscosity:	Not established

H. Fire and Explosion Data

Flash Point (Method Used):	Not applicable (Water Emulsion)
Flammable Limits (% by Volume in Air):	LEL - Not applicable UEL - Not applicable
Fire Extinguishing Media:	Not applicable
Special Fire Fighting Procedures:	Evacuate area of all unnecessary personnel. If conditions immediately dangerous to life or health (IDLH) exist use NIOSH/MSHA approved self-contained breathing apparatus (SCBA) equipment. Water fog or spray may be used to cool product containers exposed to fire or excessive heat.
Fire and Explosion Hazards:	Carbon oxides, hydrogen sulfide and various hydrocarbons may be released when heated.

NA - Not Applicable NE - Not Established

I. Spill, Leak and Disposal Procedures

Precautions Required if Material is Released or Spilled:

Evacuate area of all unnecessary personnel. Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Shut-off source, if possible and contain spill. Keep out of water sources and sewers. Absorb in dry, inert material (sand, clay, sawdust, etc.). Transfer to disposal drums. In case of spill or leak resulting in unknown concentration, use NIOSH/MSHA approved supplied air respirator In case of spill or leak which results in conditions immediately dangerous to life or health (IDLH) use NIOSH/MSHA approved self-contained breathing apparatus (SCBA) equipment. When entry into or exit from concentrations of unknown exposure, use NIOSH/MSHA approved self-contained breathing apparatus (SCBA).

Waste Disposal (Insure Conformity with all Applicable Disposal Regulations):

Incinerate or otherwise manage in a permitted waste management facility.

J. DOT Transportation

Shipping Name:	Not Applicable
Hazard Class:	Not Applicable
ID Number:	Not Applicable
Marking:	Not Applicable
Label:	Not Applicable
Placard:	Not Applicable
Hazardous Substance/RQ:	Not Applicable
Shipping Description:	Not Applicable
Packaging References:	Not Applicable

K. RCRA Classification - Unadulterated Product as a Waste

Not Applicable

L. Protection Required for Work on Contaminated Equipment

Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Use NIOSH/MSHA approved respiratory protection, such as air-supplied mask, in confined spaces or other poorly ventilated areas. See Section C for protective clothing requirements. Contact immediate supervisor for specific instructions before work is initiated.

NA - Not Applicable NE - Not Established

M. Hazard Classification

This product meets the following hazard definition(s) as defined by the Occupational Safety and Health Hazard Communication Standard (29 CFR Section 1910.1200):

- | | | |
|---|--|---|
| <input type="checkbox"/> Combustible Liquid | <input type="checkbox"/> Flammable Aerosol | <input type="checkbox"/> Oxidizer |
| <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Explosive | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Flammable Gas | <input type="checkbox"/> Health Hazard (Section F) | <input type="checkbox"/> Unstable |
| <input type="checkbox"/> Flammable Liquid | <input type="checkbox"/> Organic Peroxide | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Flammable Solid | | |

Based on information presently available, this product does not meet any of the hazard definitions of 29 CFR Section 1910.1200.

N. Additional Comments

As of the preparation date, this product did not contain a chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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NA - Not Applicable

NE - Not Established