

SAFETY DATA SHEET



Section 1: Company and Product Identification

Product Name: SS-1h
Product Code: Asphalt Emulsion
Company: Tri-State Asphalt, LLC
 1362 Bungalow Road Morris, IL 60450
 (815)942-0080 www.tsasphalt.com
Emergency Response: 800-424-9300 CHEMTREC®

Section 2: Hazards Identification

Warning



Hazard Statements:
 H315: Causes skin irritation
 H320: Causes eye irritation
 H332: Harmful if inhaled
 H335: May cause respiratory irritation

Precautionary Statements:
 P260: Do not breathe dust/fume/gas/mist/vapours/spray
 P264: Wash hands thoroughly after handling
 P280: Wear protective gloves/protective clothing/eye protection/face protection

HMIS Classification:

Health: 2
 Flammability: 1
 Reactivity: 0
 Personal Protective Index: 1

Hazardous Material Identification System	
Health Hazard (Blue)	2
Flammability Hazard (Red)	1
Physical Hazard (Yellow)	0
Protective Equipment	1

NFPA Rating:

Health: 2
 Flammability: 1
 Reactivity: 0
 Special Hazard: None



Section 3: Composition / Information on Ingredients

Hazardous substance (name)	CAS#	Amount %
Asphalt Cement	8052-42-4	25-75%
Water	7732-18-5	30-70%
Surfactant	Proprietary	0-10%

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Section 4: First Aid Measures

If ingested:	Do not induce vomiting. Seek medical attention or contact poison control center immediately.
If inhaled:	At elevated temperatures may cause irritation of the eyes and respiratory tract. Although this product is not known to cause respiratory problems, if breathing is difficult, safely remove victim to fresh air. Seek immediate medical attention.
Eye contact:	For contact with product, hold eyelids apart and flush eyes with large amounts of water for at least 15 minutes. Seek medical attention if irritation develops and persists. Burns due to contact with heated material require immediate medical attention.
Skin contact:	Wash skin with soap and water. Wear protective gloves to minimize skin contamination. For hot material exposure, DO NOT try to remove solidified material from the skin. DO NOT try to dissolve with solvents or thinners.

Section 5: Fire Fighting Measures

General Info:	Use of foam or water may cause frothing. Do not release runoff from fire control methods to sewers or waterways.
Extinguishing Method / Equipment:	Use foam, carbon dioxide when fighting fires involving this material. Use of water on product above 212°F (100°C) can cause product to expand with explosive force. Exercise care when using water as contact with hot asphalt products may also produce steam and violent foaming.

Section 6: Accidental Release Measures

General Info:	Stop spill at source. Confine spill by diking or impoundment. Remove sources of heat or ignition. Clean-up spill but do not flush to sewer or surface water. Ventilate area and avoid breathing vapors or mists.
Small Spills:	Stop spill at source if possible. Isolate and confine by diking, or similar method. Remove discharged material by absorbing spill with inert material.
Large Spills:	Dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways. Allow material to cool. Mix with inert absorbent material to stabilize. For disposal follow all federal, state, and local regulations.

Section 7: Handling and Storage

Safe Handling Precautions:	If this product is a mixture of water and asphalt heating about 190°F can cause the water portion to boil. This may result in frothing of the mixture causing hot asphalt to overflow. Vapors containing hydrogen sulfide may accumulate during storage or transport. When asphalt products are heated, potentially irritating emissions (fumes, mists, vapors) may be released.
Recommendations for Storage:	Store away from all ignition sources and open flames. Avoid freezing. Do not store above 190°F. Heating product above 190°F may cause water portion to boil which may result in an overflow of hot product from storage container.
Usage:	Avoid contact with skin, eyes and clothing. Use additional precautions when handling hot material. Do not allow hot product to contact skin. Ensure adequate ventilation. Use all appropriate engineering controls and Personal Protective Equipment (PPE) described in Section 8 below.

Section 8: Exposure Control / Personal Protection

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General / Engineering Controls:	Use local exhaust or general dilution ventilation when using at elevated temperatures or during activities that generate vapors or mists, to maintain levels below exposure limits. Ensure that an emergency eye wash station and safety shower is located near the work area.
Eye Protection:	Where contact with this material is likely wear appropriate glasses, goggles or face shield to prevent contact with eyes.
Skin Protection:	Wear chemical resistant gloves to prevent skin contact and insulated gloves when handling hot product. Additional protection may be necessary to prevent skin contact including use of apron, arm covers, face shield or boots.
Respiratory Protection:	When there is potential for airborne exposures in excess of applicable limits, wear NIOSH approved respiratory protection.

Substances with Exposure Limits	CAS#	ACGIH-TLV	OSHA-PEL	OTHER
NA				
NA				

Section 9: Physical and Chemical Properties

State:	Liquid	Evaporation Rate:	NA
Color:	Brown/Black	pH:	8-11
Vapor Pressure:	< 1 mm Hg @ 70°F (20°C)	Water Solubility:	Miscible
Vapor Density:	> 1 (Air =1)	Boiling Point:	100°C @ 760 mm Hg
Specific Gravity:	.095-1.13	Other:	

Section 10: Stability and Reactivity

General:	Stable in closed containers under normal storage and handling conditions
Incompatible materials:	Asphalt emulsion is incompatible with strong acids or bases, and oxidizing agents such as nitrates, chlorates and peroxides.
Decomposition products:	Primary decomposition products are carbon monoxide, carbon dioxide, and water. Combustion products may include sulfur oxides and hydrogen sulfide.
Hazardous Polymerization:	Will not occur.

Section 11: Toxicological Information

Toxicological Information (product):	For questions regarding toxicological information refer to contact information in Section 1.
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Section 12: Ecological Information

General information:	Data not yet available.
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Section 13: Disposal Information

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Product disposal:	Dispose of waste and containers in compliance with applicable Federal, State, Provincial, and Local regulations.
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Section 14: Transport Information

Shipping Name:	SS-1h
DOT:	Non-hazardous

Section 15: Regulatory Information

RCRA:	If discarded in its purchased form, this product would not be a hazardous waste either by listing or characteristics. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.
CERCLA RQ:	This product is not listed as a CERCLA hazardous substance.
SARA 311/312:	There are no known ingredients subject to reporting.
SARA 313:	There are no known ingredients subject to reporting.
TSCA:	This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.
OSHA Regulations:	Not a specifically regulated OSHA substance.
R-Phrases:	R36/37/38 – Irritating to eyes, respiratory system, and skin.

Section 16: Other Information

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Version Date: 2/26/2015

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