



# Safety Data Sheet (SDS)

Seal Coat Supply, Inc.

## Asphalt Emulsion SS-1H

SDS Number: 539

Revision Date: 3/22/2016

Page 1 of 9

### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

Seal Coat Supply, Inc.  
1735 W 1000 N  
Layton, UT 84041

**Contact:** Seal Coat Supply, Inc.  
**Phone:** (801) 546-1839  
**Web:** www.sealcoatsupply.com

**Product Name:** Asphalt Emulsion SS-1H  
**Revision Date:** 3/22/2016  
**Version:** 1  
**Product Number:** 38090, 38095  
**Common Name:** Tack Oil / Asphalt Emulsion  
**CAS Number:** MIXTURE  
**Chemical Family:** Hydrocarbon / Water Emulsion  
**Chemical Formula:** \*\*\* PROPRIETARY \*\*\*  
**Product Use:** Construction materials used in asphalt sealing applications.  
**Emergency Phone:** (801) 546-1839

### 2 HAZARDS IDENTIFICATION

NFPA:  
HMIS III:

Health = 1, Fire = 0, Reactivity = 0  
H1/F0/PH0



HMIS III	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARDS	0
PERSONAL PROTECTION B I Safety Glasses, Gloves	

PERSONAL PROTECTION INDEX			
A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions
A		n	
t		U	
W		Y	
Z		q	
		r	
		s	

GHS Signal Word:  
DANGER

GHS Hazard Pictograms:





# Safety Data Sheet (SDS)

Seal Coat Supply, Inc.

## Asphalt Emulsion SS-1H

SDS Number: 539

Revision Date: 3/22/2016

Page 2 of 9

**GHS Classifications:**

- Health, Skin corrosion/irritation, 2
- Health, Serious Eye Damage/Eye Irritation, 1
- Health, Specific target organ toxicity - Single exposure, 3

**GHS Phrases:**

- H315 - Causes skin irritation
- H318 - Causes serious eye damage
- H335 - May cause respiratory irritation

**GHS Precautionary Statements:**

- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
- P262 - Do not get in eyes, on skin, or on clothing.
- P264 - Wash skin thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P271 - Use only outdoors or in a well-ventilated area.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P302+352 - IF ON SKIN: Wash with soap and water.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P321 - Specific treatment (see supplementary first aid instructions on this label).
- P332+313 - If skin irritation occurs: Get medical advice/attention.
- P337+313 - If eye irritation persists: Get medical advice/attention.
- P362 - Take off contaminated clothing and wash before reuse.
- P403+233 - Store in a well ventilated place. Keep container tightly closed.
- P405 - Store locked up.
- P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
- P501 - Dispose of contents/container to an approved waste disposal plant.

3

### COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients:**

Cas #	I Percentage	I Chemical Name
8052-42-4	I 40-60%	I Asphalt
N/A	I 40-60%	I Proprietary, non-hazardous, non-regulated*
N/A	I 1.65%	I Trade Secret **

\*The specific chemical identities of the ingredients of this mixture labeled as "Trade Secret" are considered to be proprietary and are withheld in accordance with the provisions of 29CFR1910.1200 Sect. (i) Trade Secrets.

\*\*Balance of ingredients are non-hazardous, as defined by OSHA 29CFR1910.1200 or the Globally Harmonized System of Classification and Labeling of Chemicals (GHS), or hazardous in less than 1% concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory/skin sensitizers).



# Safety Data Sheet (SDS)

Seal Coat Supply, Inc.

## Asphalt Emulsion SS-1H

SDS Number: 539

Revision Date: 3/22/2016

Page 3 of 9

### 4 FIRST AID MEASURES

- Inhalation:** Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
- Skin Contact:** Take off contaminated clothing and shoes immediately. Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. If reddening develops and/or persists, obtain medical attention.
- Eye Contact:** Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. If irritation or pain persists, get immediate medical attention and continue rinsing eyes during transport to hospital.
- Ingestion:** Rinse mouth with water. Give 3-4 glasses of water or milk to dilute stomach contents. Do NOT induce vomiting. If vomiting occurs, give more water or milk. Never give anything by mouth to an unconscious person. If symptoms develop and/or persist, obtain medical attention.

#### Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labeling (see Section 2) and/or Section 11.

#### Indication of any immediate medical attention and special treatment needed:

No data available.

### 5 FIRE FIGHTING MEASURES

- Flammability:** Not flammable
- Flash Point:** DNA
- Flash Point Method:** DNA
- Burning Rate:** No data available
- Autoignition Temp:** No data available
- LEL:** DNA
- UEL:** DNA

#### Extinguishing Media:

Water Spray  
Carbon Dioxide  
Alcohol-Resistant Foam  
Dry Chemical

#### Special Hazards Arising From the Substance or Mixture:

Carbon Oxides  
Hydrogen Sulfide gas  
Sodium Oxides  
Sulfur Oxides  
Unburnt Hydrocarbon particulate

#### Advice for Firefighters:

Firefighters should wear full-face, positive-pressure respirators.

#### Further Information:

If incinerated, may release toxic fumes.  
Use water spray to cool unopened containers.  
Do NOT use high volume water jet to extinguish fire, as the force of the water jet may cause fire to spread.  
See Section 7 for more information on safe handling.



# Safety Data Sheet (SDS)

Seal Coat Supply, Inc.

## Asphalt Emulsion SS-1H

SDS Number: 539

Revision Date: 3/22/2016

Page 4 of 9

See Section 8 for more information on personal protection equipment.  
See Section 13 for disposal information.

6

### ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment.  
Use respiratory protection, such as a vapor respirator, if managing any spills in confined, poorly-ventilated spaces.  
Keep from contacting skin or eyes.  
Avoid breathing vapors, mist or gas.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.  
Treat all vapors as toxic; keep upwind of any spills at all times.

#### Environmental Precautions:

Prevent further release (leakage/spillage) if safe to do so.  
Do not allow product to enter drains.  
Do not allow to drain to environment.

#### Methods and Materials for Containments and Cleaning Up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).  
Place contaminated material into suitable, closed containers for disposal.  
Dispose of contaminated material according to Section 13.  
After spillage has been collected, area may be flushed with water or wet-brushed.  
Ensure adequate ventilation.

#### Reference to Other Sections:

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on proper disposal.

7

### HANDLING AND STORAGE

#### Handling Precautions:

Avoid breathing vapors or mist.  
Avoid contact with eyes, skin, or clothing.  
Use approved, original containers only.  
Keep containers closed when not in use.  
Do not expose containers to open flame, excessive heat, or direct sunlight.  
Do not puncture or drop containers.  
Handle with care and avoid spillage on the floor.  
Keep material out of reach of children.  
Keep material away from incompatible materials.  
Wash thoroughly after handling.  
Ensure adequate ventilation.

#### Storage Requirements:

Keep away from heat, sparks and flames.  
Do not store in direct sunlight.  
Store at temperatures not exceeding 50.0 °C (122.0 °F)  
Store away from strong acids and strong oxidizing agents.



# Safety Data Sheet (SDS)

Seal Coat Supply, Inc.

## Asphalt Emulsion SS-1H

SDS Number: 539

Revision Date: 3/22/2016

Page 5 of 9

8

### EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

**Personal Protective Equip:** Eye/face protection:  
When using material use safety glasses and gloves according to HMIS PP, B. All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection:**

Handle with gloves made from Neoprene, Nitrile or Buna rubber. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable laws and laboratory practices.

**Body Protection:**

Chemically resistant gloves and safety glasses are recommended. Type of protective equipment should be selected based on concentration amount and conditions of use of this material.

**Respiratory protection:**

Not required if area of use is well-ventilated. A full-face vapor respirator may be required as backup to engineering controls when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds.

**Control of environmental exposure:**

Prevent leakage or spillage if safe to do so.

**Components with workplace control parameters:**

Contains no substances with occupational exposure limit values.

**Biological occupational exposure limits:**

Contains no substances with biological occupational exposure limits values.



# Safety Data Sheet (SDS)

Seal Coat Supply, Inc.

## Asphalt Emulsion SS-1H

SDS Number: 539

Revision Date: 3/22/2016

Page 6 of 9

### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Dark brown emulsion	<b>Odor:</b>	Mild
<b>Physical State:</b>	Liquid	<b>Molecular Formula:</b>	MIXTURE
<b>Odor Threshold:</b>	Not determined	<b>Solubility:</b>	Moderate
<b>Particle Size:</b>	Not determined	<b>Softening Point:</b>	Not determined
<b>Spec Grav./Density:</b>	1.000 g/ml (8.35 lbs/gal)	<b>Percent Volatile:</b>	40-60%
<b>Viscosity:</b>	Not determined	<b>Heat Value:</b>	Not determined
<b>Sat. Vap. Conc.:</b>	Not determined	<b>Freezing/Melting Pt.:</b>	Not determined
<b>Boiling Point:</b>	212.0 - 1100.0 °C (100.0 - 593.3 °F)	<b>Flash Point:</b>	DNA
<b>Flammability:</b>	(solid, gas): Not flammable	<b>Octanol:</b>	Not determined
<b>Partition Coefficient:</b>	Not determined	<b>Vapor Density:</b>	(air = 1): Not determined
<b>Vapor Pressure:</b>	(mm Hg @ 20 °C): Not determined	<b>VOC:</b>	DNA
<b>pH:</b>	@ 100%: Not determined	<b>Bulk Density:</b>	Not determined
<b>Evap. Rate:</b>	(N-Butyl Acetate = 1): < 1	<b>Auto-Ignition Temp:</b>	Not determined
<b>Molecular weight:</b>	MIXTURE	<b>UFL/LFL:</b>	DNA
<b>Decomp Temp:</b>	Not determined		

### 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	Incompatibilities, flames, ignition sources.
<b>Materials to Avoid:</b>	Strong acids and strong oxidizing agents.
<b>Hazardous Decomposition:</b>	Carbon Oxides, Hydrogen Sulfide gas, Sodium Oxides, Sulfur Oxides and Unburnt Hydrocarbon particulate.
<b>Hazardous Polymerization:</b>	Will not occur.

### 11 TOXICOLOGICAL INFORMATION

**Component(s):** Asphalt; Trade Secret

**CAS No(s):** 8052-42-4; N/A

**Acute Toxicity:**

LD50 Oral - Rat: > 5,000 mg/kg

LD50 Dermal - Rat: > 2,000 mg/kg

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Eye Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitation:** May cause an allergic skin reaction in certain sensitive individuals in cases of prolonged or repeated exposure.

**Germ Cell Mutagenicity:** No data available.

**Carcinogenicity:** Skin application of asphalt fume condensate fractions caused skin tumors in laboratory mice. Animal studies in which high concentrations of asphalt fumes were breathed for extended periods of time did not cause carcinogenic effects. The NTP, OSHA and IARC have concluded that there is inadequate evidence to suggest that asphalt alone is carcinogenic to humans. This product contains small quantities of Polycyclic Aromatic Hydrocarbons (PAH's), which have been shown to be a human health risk. Health surveys and human experience indicate no cases of lung or skin cancers as a



# Safety Data Sheet (SDS)

Seal Coat Supply, Inc.

## Asphalt Emulsion SS-1H

SDS Number: 539

Revision Date: 3/22/2016

Page 7 of 9

result of asphalt exposure.

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ONTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive Toxicity:** No data available.

**Specific Target Organ Toxicity - Single Exposure:** Respiratory system - May cause respiratory irritation.

**Specific Target Organ Toxicity - Repeated Exposure:** No data available.

**Aspiration Hazard:** No data available.

**Additional Information:**

Component: Asphalt; RTECS: CI9900000

Component: Trade Secret; RTECS: Withheld

12

### ECOLOGICAL INFORMATION

**Component(s):** Asphalt; Trade Secret

**CAS No(s):** 8052-42-4; N/A

**Toxicity:**

*Toxicity to fish:*

LC50 - *Gambusia affinis* (Mosquito Fish): 125 mg/l (96 h)

*Toxicity to daphnia and other aquatic invertebrates:*

EC50 - *Daphnia dubia* (Water Flea): 34.59 - 4?.13 mg/l (48 h)

**Persistence and Degradability:**

No data available.

**Bioaccumulative potential:**

No data available.

**Mobility in Soil:**

No data available.

**Results of PBT and vPvB assessment:**

Not required/conducted

**Other Adverse Effects:**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.



# Safety Data Sheet (SDS)

Seal Coat Supply, Inc.

## Asphalt Emulsion SS-1H

SDS Number: 539

Revision Date: 3/22/2016

Page 8 of 9

### 13 DISPOSAL CONSIDERATIONS

Product: Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

### 14 TRANSPORT INFORMATION

#### DOT (US)

Non-regulated material, liquid

#### IMDG

Non-regulated material, liquid

#### IATA

Non-regulated material, liquid

### 15 REGULATORY INFORMATION

#### COMPONENT / (CAS/PERC) / CODES

-----  
\*Asphalt (8052424 40-60%) MASS, NJHS, NRC, PA, PROP65, SARA311/312, TSCA, TXAIR

\*Trade Secret (N/A 1.65%) MASS, NJHS, PA, TSCA

#### REGULATORY KEY DESCRIPTIONS

-----  
MASS = MA Massachusetts Hazardous Substances List  
NJHS = New Jersey Right to Know Hazardous Substances  
NRC = Nationally Recognized Carcinogens  
PA = PA Right-To-Know List of Hazardous Substances  
PROP65 = CA Prop 65  
SARA311/312 = SARA 311/312 Toxic Chemicals  
TSCA = Toxic Substances Control Act  
TXAIR = TX Air Contaminants with Health Effects Screening Level





# Safety Data Sheet (SDS)

Seal Coat Supply, Inc.

## Asphalt Emulsion SS-1H

SDS Number: 539

Revision Date: 3/22/2016

Page 9 of 9

16

### OTHER INFORMATION

#### Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that Seal Coat Supply, Inc. believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of Seal Coat Supply, Inc.'s control, Seal Coat Supply, Inc. makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

#### Preparation Information:

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