

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **DISSCO® Paviseal Emulsified Asphalt Seal Coating**  
**Other means of identification** Sealcoat, Mineral Filled Emulsion, Asphalt Emulsion, Emulsified Bitumen.  
**Recommended use** Used as a pavement seal coating for asphalt pavements.  
**Recommended restrictions** Not known

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

**Manufacturer:** **DISSCO®** - Denver Industrial Sales and Service Co.  
**Address:** 850 South Lipan Street  
Denver, CO 80223  
**Contact Name:** Todd Mellema  
**Telephone:** 303-935-2485  
**E-mail:** [todd@dissco.net](mailto:todd@dissco.net)  
**INFOTRAC:** 1-800-535-5053

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable liquids	Category 0
<b>Health hazards</b>	Specific target organ toxicity, single exposure	Category 1
<b>Environmental hazards</b>	Not classified	Category 0
<b>OSHA defined hazards</b>	Not classified	

### Label elements

**Hazard symbol** None

**Signal word** None

**Hazard statement** The mixture does not meet the criteria for classification.

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations. See section 13 of this SDS for disposal instructions.

**Hazard(s) not otherwise** None known

**Classified (HNOC)**

**Supplemental information** Vapors containing hydrogen sulfide may accumulate during storage or transport. HYDROGEN SULFIDE (H<sub>2</sub>S) can be harmful or fatal if inhaled.

## 3. Composition/information on ingredients

### Mixtures

<b>Chemical name</b>	<b>Common Name and synonyms</b>	<b>CAS number</b>	<b>%</b>
ASPHALT		8052-42-4	20 - 30
WATER		7732-18-5	30 - 50
HYDROCHLORIC ACID		7647-01-0	< .01
MINERAL FILLERS		14808-60-7	30 - 50
FIBERS		9004-34.6	<1

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**Composition comments** Components not listed are either non-hazardous or below the required disclosure threshold.

## 4. First-aid Measures

### Inhalation

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Call a physician if symptoms develop or persist.

### Skin contact

If clothing sticks to the skin, do not remove. Lotion or hand cream may aid in the removal of asphalt. Wash contact areas with soap and water. If needed, seek medical attention.

### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

### Ingestion

Rinse mouth. DO NOT induce vomiting. Get medical attention immediately. If ingestion of a large amount does occur, call a poison control center immediately.

### Most important symptoms/effects, acute and delayed

Direct contact with eyes may cause temporary irritation.

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

Treat symptomatically.

### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire-fighting measures

### Suitable extinguishing media

Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

### Unsuitable extinguishing media

Water. Do not use water jet as an extinguisher, as this will spread the fire.

### Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

### Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.

### Fire-fighting Equipment/instructions

ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray.

### Specific methods

In the event of fire and/or explosion, do not breathe fumes. In the event of fire, cool tanks with water spray.

### General fire hazards

No unusual fire or explosion hazards noted.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

This product is miscible in water.

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Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Ventilate area and avoid breathing vapors or mist. For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

**Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

**Precautions for safe handling**

Avoid prolonged exposure. Use only in well-ventilated areas. Hydrogen sulfide, a very highly toxic gas, may be present with this material. Keep face clear of tank and/or tank car openings. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

**Conditions for safe storage,**

Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in

**Including any Incompatibilities**

original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Do not allow material to freeze.

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
HYDROCHLORIC ACID (CAS 7647-01-0)	Ceiling	7 mg/m3

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
ASPHALT (CAS 8052-42-4) (CAS 8008-20-6)	TWA	0.5 mg/m3	Inhalable fraction.

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
HYDROCHLORIC ACID (CAS 7647-01-0)	Ceiling	2 ppm	

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value	Form
ASPHALT (CAS 8052-42-4)	Ceiling	5 mg/m3	Fume.
HYDROCHLORIC ACID (CAS 7647-01-0)	Ceiling	7 mg/m3	5 ppm

**Biological limit values**

No biological exposure limits noted for the ingredient(s)

**Appropriate engineering**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

**Controls**

**Individual protection measures, such as personal protective equipment**

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<b>Eye/face protection</b>	Wear safety glasses; chemical goggles (if splashing is possible)
<b>Hand protection</b>	Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.
<b>Other</b>	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact. Plastic or rubber gloves, apron and boots.
<b>Respiratory protection</b>	When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators
<b>Thermal hazard</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
<b>Considerations</b>	

## 9. Physical and chemical properties

<b>Appearance</b>	Brown to black in color.
<b>Physical state</b>	Liquid
<b>Form</b>	Liquid
<b>Color</b>	Black
<b>Odor</b>	Tar-like
<b>Odor threshold</b>	Not available
<b>pH</b>	2.1 - 4
<b>Melting point/freezing point</b>	150 - 180 °F (65.56 - 82.22 °C) / -173.6 °F (-114.22 °C) estimated
<b>Initial boiling point and boiling range</b>	212°F (100°C)
<b>Flash point</b>	400.0 °F (204.4 °C) Cleveland Open Cup
<b>Evaporation rate</b>	< 1
<b>Flammability (solid, gas)</b>	Not available
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%)</b>	Not available
<b>Flammability limit – upper (%)</b>	Not available
<b>Explosive limit – lower (%)</b>	Not available
<b>Explosive limit – upper (%)</b>	Not available
<b>Vapor pressure</b>	< 1 mm Hg @ 70°C
<b>Vapor density</b>	> 1
<b>Relative density</b>	Not available
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	> 700°F (> 371.11°C)
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	20 – 100 Saybolt Furol
<b>Viscosity temperature</b>	77°F (25° C)
<b>Other information</b>	
<b>Flammability class</b>	Flammable IIIB
<b>Percent Volatile</b>	< 2%
<b>Specific gravity</b>	1.0 - 1.03

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## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport
<b>Chemical stability</b>	Stable at normal temperature conditions
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials. Do not overheat product.
<b>Incompatible materials</b>	Strong oxidizing agents
<b>Hazardous decomposition Products</b>	Upon decomposition, this product may yield sulfur dioxide, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Hydrogen sulfide.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	Expected to be a low ingestion hazard.
<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Harmful in contact with eyes.

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

**Acute toxicity** Not available

<b>Product</b>	<b>Species</b>	<b>Test Results</b>
ASPHALT EMULSION (CAS Mixture)		
<b>Acute</b>		
Inhalation		
LC50	Mouse	79142.8594 ppm, 1 Hours estimated
Oral		
LD50	Mouse	2390 g/kg estimated
	Rabbit	64285.7148 mg/kg estimated
	Rat	2140 g/kg estimated

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
HYDROCHLORIC ACID (CAS 7647-01-0)		
<b>Acute</b>		
Dermal		
LD50	Mouse	1449 mg/kg
Inhalation		
LC50	Mouse	1108 ppm, 1 Hours
	Rat	3124 ppm, 1 Hours
Oral		
LD50	Rabbit	900 mg/kg
Other		
LD50	Mouse	1449 mg/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Harmful in contact with eyes. None known.

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## Respiratory or skin sensitization

**Respiratory sensitization** Not available

**Skin sensitization** May cause skin disorders if contact is repeated or prolonged.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic

**Carcinogenicity** Risk of cancer cannot be excluded with prolonged exposure. IARC: occupational exposures to straight-run bitumen's and their emissions during road paving are "possibly carcinogenic to humans" (Group 2B)

### IARC Monographs. Overall Evaluation of Carcinogenicity

ASPHALT (CAS 8052-42-4) 2B Possibly carcinogenic to humans

HYDROCHLORIC ACID (CAS 7647-01-0) 3 Not classifiable as to carcinogenicity to humans.

### US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

**Reproductive toxicity** Not classified

**Specific target organ toxicity** Not classified

- single exposure

**Specific target organ toxicity** Not available

- repeat exposure

**Aspiration hazard** Not classified

**Chronic effects** Prolonged exposure may cause chronic effects

## 12. Ecological information

**Ecotoxicity** Not expected to be harmful to aquatic organisms

Product	Species	Test Results
ASPHALT EMULSION (CAS Mixture)		
Fish	LC50 Fish	2437.7026 mg/l, 96 hours estimated
Product	Species	Test Results
HYDROCHLORIC ACID (CAS 7647-01-0)		
Aquatic		
FISH	LC50 Western Mosquitofish (Gambusia affinis)	282 mg/l, 96 hours

\*Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product

**Bio-accumulative potential** Not available

**Mobility in soil** Not available

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations. No components are identified as hazardous wastes. Disposal recommendations are based on uncontaminated material.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** D001: Waste Flammable material with a flash point <140° F

**Waste from residues/unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (see: Disposal instruction). Avoid discharge into water courses or onto the ground.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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## 14. Transport information

### DOT

<b>UN number</b>	Not Regulated as dangerous goods
<b>UN proper shipping name</b>	ASPHALT EMULSION
<b>Transport hazard class(es)</b>	
<b>Class</b>	Not Regulated as dangerous goods
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	Not Regulated as dangerous goods
<b>Packing group</b>	None
<b>Special precautions for user</b>	Not available
<b>Special provisions</b>	None
<b>Packaging exceptions</b>	none
<b>Packaging non bulk</b>	None
<b>Packaging bulk</b>	none

### IATA

<b>UN number</b>	Not Regulated as dangerous goods
<b>UN proper shipping name</b>	ASPHALT EMULSION
<b>Transport hazard class(s)</b>	
<b>Class</b>	Not Regulated as dangerous goods
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not Regulated as dangerous goods
<b>Environmental hazards</b>	Not Regulated as dangerous goods
<b>ERG Code</b>	Not Regulated as dangerous goods
<b>Special precautions for user</b>	Not available
<b>Other information</b>	
<b>Passenger and cargo Aircraft</b>	Not Regulated as dangerous goods
<b>Cargo aircraft only</b>	Not Regulated as dangerous goods

### IMDG

<b>UN number</b>	Not Regulated as dangerous goods
<b>UN proper shipping name</b>	ASPHALT EMULSION
<b>Transport hazard class(es)</b>	
<b>Class</b>	Not Regulated as dangerous goods
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not Regulated as dangerous goods
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No
<b>EmS</b>	Not available
<b>Special precautions for user</b>	Not available

**Transport in bulk according to Annex II of MARPOL 73/78 And the IBC Code** Not available

## 15. Regulatory information

**US federal regulations** All components are on the U.S. EPA TSCA Inventory List.

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**TSCA Section 12(b) Export Notification (40 CFR 707, Subpart. D)**

Not regulated

**CERCLA Hazardous Substance List (40 CFR 302.4)**

ASPHALT (CAS 8052-42-4) Listed  
HYDROCHLORIC ACID (CAS 7647-01-0) Listed

**US EPCRA Section 304 Extremely Haz. Subs. & CERCLA Haz. Subs.: Section 304 EHS reportable quantity**

HYDROCHLORIC ACID (CAS 7647-01-0) 5000 lbs.

**US. OSHA Specifically Regulated Substances (29CFR 1910.1001-1050)**

Not listed

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard – Yes  
Delayed Hazard – No  
Fire Hazard – Yes  
Pressure Hazard – No  
Reactivity Hazard – No

**SARA 302 Extremely hazardous substance**

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
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HYDROCHLORIC ACID 7647-01-0 5000 500 lbs

**SARA 311/312** No

**Hazardous chemical**

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
HYDROCHLORIC ACID	7647-01-0	< 2

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

HYDROCHLORIC ACID (CAS 7647-01-0)

**Clean Air Act (CAA) Section 112® Accidental Release Prevention (40 CFR 68.130)**

HYDROCHLORIC ACID (CAS 7647-01-0)

**Safe Drinking Water Act (SDWA)** Not Regulated

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))**

HYDROCHLORIC ACID (CAS 7647-01-0)

**DEA Essential Chemical Code Number**

HYDROCHLORIC ACID (CAS 7647-01-0) 6545

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

HYDROCHLORIC ACID (CAS 7647-01-0) 20 %VV

**DEA Exempt Chemical Mixtures Code Number**

HYDROCHLORIC ACID (CAS 7647-01-0) 6545

**US state regulations** WARNING: This product contains a chemical known to the State of California to cause cancer

**US Massachusetts RTK – Substance List**

ASPHALT (CAS 8052-42-4)  
HYDROCHLORIC ACID (CAS 7647-01-0)

**US New Jersey Worker and Community Right-to-Know Act**

HYDROCHLORIC ACID (CAS 7647-01-0) 500 Lbs.

**US Pennsylvania RTK – Hazardous Substances**

ASPHALT (CAS 8052-42-4)

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HYDROCHLORIC ACID (CAS 7647-01-0)

**US Rhode Island RTK**

HYDROCHLORIC ACID (CAS 7647-01-0)

**US California Proposition 65**

**US – California Proposition 65 – CRT: Listed date/Carcinogenic substance**

ASPHALT (CAS 8052-42-4)

Listed: January 1, 1990

**International Inventories**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes /no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicated that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s)

**16. Other information, including date of preparation or last revision**

**Issue date** 12-11-2014

**Revision date** 05-20-2019

**Version #** 01

**References** ACGIH

EPA: AQUIEW database

NLM: Hazardous Substances Data Base

US. IARC Monographs on Occupational Exposures to Chemical Agents

IARC Monographs. Overall Evaluation of Carcinogenicity

National Toxicology Program (NTP) Report on Carcinogens

ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Revision Information**

Composition / Information on Ingredients: Disclosure Overrides

Physical & Chemical Properties: Multiple Properties

GHS: Classification

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