

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **DISSCO® RS-90**  
**Other means of identification** Asphalt Cutback, Gilsonite,  
**Recommended use** Asphalt cutback used as a rejuvenator/sealcoating on bitumen roads and parking lots  
**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

**Physical hazards** Flammable liquids Category 3  
**Health hazards** Specific target organ toxicity, single exposure Category 1  
**Environmental hazards** Not classified  
**OSHA defined hazards** Not classified

## Label elements



### Signal word

**Warning**

### Hazard statement Prevention

Flammable liquid and vapor. May cause drowsiness or dizziness  
Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Use only outdoors or in a well-ventilated area. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist/vapors/spray. Wash thoroughly after handling.

### Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: use appropriate media for extinction.

### Storage Disposal

Store in a well-ventilated place. Keep Cool.  
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 Classified (HNOC)

None known

### Supplemental information

None

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### 3. Composition/information on ingredients

#### Mixtures

<u>Chemical name</u>	<u>Common Name and synonyms</u>	<u>CAS number</u>	<u>%</u>
ASPHALT		8052-42-4	40 – 60
PETROLEUM NAPHTHA		8008-20-6	40 – 60
GILSONITE	Hydrocarbon Black Solid	012002-43-6	Proprietary
ADDITIVES		N/A	<1

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

### 4. First-aid Measures

#### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention, if needed.

#### Skin contact

For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. For minor skin contact, avoid spreading material on unaffected skin. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice/attention.

#### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Get medical attention if irritation develops and persists.

#### Ingestion

Rinse mouth thoroughly. Call a POISON CENTER or doctor/physician. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into lungs

#### Most important

Not available

#### Symptoms/effects, acute and Delayed

#### Indication of immediate

In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under

#### Medical attention and special

observation. Symptoms may be delayed

#### Treatment needed

#### General information

IF exposed or concerned: Get medical advice/attention. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Get medical attention if symptoms occur. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

### 5. Fire-fighting measures

#### Suitable extinguishing media

Foam. Carbon dioxide (CO2). Water fog. Dry chemical powder.

#### Specific hazards arising from the chemical

Fire may produce irritating, corrosive and/or toxic gases

#### 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

In case of fire and/or explosion do not breathe fumes. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Move containers from fire area if you can do so without risk. Do not get water inside container. Some of these materials, if spilled, may evaporate leaving a flammable residue.

#### Specific methods

In the event of fire and/or explosion do not breathe fumes

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## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material
<b>Methods and materials for containment and cleaning up</b>	Stop the flow of material, if this is without risk. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Never return spills in original containers for re-use.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not contaminate water. If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center

## 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Do not empty into drains. Hydrogen sulfide, a very highly toxic gas, may be present with this material. Keep face clear of tank and/or tank car openings.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a well-ventilated place. Keep container closed. Keep container dry. Keep away from food, drink and animal feeding stuff. Keep out of reach of children. Use care in handling/storage.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
ASPHALT (CAS 8052-42-4)	TWA	0.5 mg/m <sup>3</sup>	Inhalable fraction
PETROLEUM NAPHTHA (CAS 8008-20-6)	TWA	200 mg/m <sup>3</sup>	Non-aerosol
Gilsonite (012002-43-6)	TWA	5 mg/m <sup>3</sup>	Inhalable fraction

#### Us. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
ASPHALT (CAS 8052-42-4)	Ceiling	5 mg/m <sup>3</sup>	Fume
PETROLEUM NAPHTHA (CAS 8008-20-6)	TWA	100 mg/m <sup>3</sup>	
Gilsonite (012002-43-6)	TWA	5 mg/m <sup>3</sup>	Inhalable fraction

**Biological limit values** No biological exposure limits noted for the ingredient(s)

### Exposure guidelines

#### US ACGIH Threshold limit values: Skin designation

PETROLEUM NAPHTHA (CAS 8008-20-6) Can be absorbed through the skin

**Appropriate engineering controls** Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded

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

**Eye/face protection** Wear safety glasses; chemical goggles (if splashing is possible)

**Hand protection** Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

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<b>Other</b>	It is a good industrial hygiene practice to minimize skin contact. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact
<b>Respiratory protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators
<b>Thermal hazard</b>	Not Available
<b>General hygiene considerations</b>	When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.
<b>9. Physical and chemical properties</b>	
<b>Appearance</b>	Viscous liquid
<b>Physical state</b>	Liquid
<b>Form</b>	Liquid
<b>Color</b>	Brown – black
<b>Odor</b>	Mild Petroleum Odor
<b>Odor threshold</b>	Not available
<b>pH</b>	Not available
<b>Melting point/freezing point</b>	Not available
<b>Initial boiling point and boiling range</b>	≥257° F (125° C), range not available
<b>Flash point</b>	≥ 57° F (≥13.9° C) Closed cup
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%)</b>	0.7 % estimated
<b>Flammability limit – upper (%)</b>	5 % estimated
<b>Explosive limit – lower (%)</b>	Not available
<b>Explosive limit – upper (%)</b>	Not available
<b>Vapor pressure</b>	Not available
<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>	Not available
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	100 - 500 cp
<b>Viscosity temperature</b>	77°F (25° C)
<b>Other information</b>	
<b>Molecular weight</b>	250 lb/lb-mole estimated
<b>Specific gravity</b>	0.82 - .95
<b>10. Stability and reactivity</b>	
<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 conditions
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur

**Conditions to avoid** Heat, flames and sparks  
**Incompatible materials** Strong oxidizing agents  
**Hazardous decomposition products** Irritants. Carbon oxides, Sulphur oxides

## 11. Toxicological information

### Information on likely routes of exposure

**Ingestion** May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure  
**Inhalation** Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea  
**Skin contact** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis  
**Eye contact** May be irritating to eyes  
**Symptoms related to the physical, chemical and toxicological characteristics** Not available

### Information on toxicological effects

**Acute toxicity** Not available  
**Skin corrosion/irritation** May cause defatting of the skin, but is neither an irritant nor a sensitizer  
**Serious eye damage/eye irritation** Not classified. May be irritating to eyes  
**Respiratory or skin sensitization**  
**Respiratory sensitization** Not available  
**Skin sensitization** Not a skin sensitizer  
**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic  
**Carcinogenicity** None of this product's components are listed by ACGIH, IARC, NIOSH, NTP or OSHA  
**IARC Monographs. Overall Evaluation of Carcinogenicity**  
ASPHALT (CAS 8052-42-4) 2B Possibly carcinogenic to humans  
**US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**  
Not listed

**Reproductive toxicity** Not classified  
**Specific target organ toxicity - single exposure** Central nervous system  
**Specific target organ toxicity - repeat exposure** Not available  
**Aspiration hazard** Not classified  
**Chronic effects** Prolonged exposure may cause chronic effects

## 12. Ecological information

**Ecotoxicity** Not expected to be harmful to aquatic organisms  
**Persistence and degradability** Not available  
**Bio-accumulative potential** Not available  
**Mobility in soil** Not available  
**Other adverse effects** Not available

## 13. Disposal considerations

**Disposal instructions** Dispose of contents/container in accordance with local/regional/national/international regulations. If discarded, this product is considered a RCRA ignitable waste, D001  
**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

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**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal

#### 14. Transport information

##### DOT

<b>UN number</b>	UN1999
<b>UN proper shipping name</b>	Tars, liquid
<b>Transport hazard class(es)</b>	
Class	3
Subsidiary risk	-
Label(s)	3
<b>Packing group</b>	II
<b>Special precautions for user</b>	Not available
<b>Special provisions</b>	B1, B52, IB3, T4, TP1, TP29
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	203
<b>Packaging bulk</b>	242

##### IATA

<b>UN number</b>	UN1999
<b>UN proper shipping name</b>	Tars, liquid
<b>Transport hazard class(s)</b>	
Class	3
Subsidiary risk	-
<b>Packing group</b>	II
<b>Environmental hazards</b>	No.
<b>ERG Code</b>	3L
<b>Special precautions for user</b>	Not available
<b>Other information</b>	
<b>Passenger and cargo Aircraft</b>	Allowed
<b>Cargo aircraft only</b>	Allowed

##### IMDG

<b>UN number</b>	UN1999
<b>UN proper shipping name</b>	Tars, liquid
<b>Transport hazard class(es)</b>	
Class	3
Subsidiary risk	-
<b>Packing group</b>	II
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No
<b>EmS</b>	F-E, S-E*
<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

**DOT**



**IATA; IMDG**



**15. Regulatory information**

**US federal regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard. 29 CFR 1910.1200  
CERCLA/SARA Hazardous Substances – Not applicable

**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

**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**

Not listed

**SARA 311/312** No

**Hazardous chemical**

**SARA 313 (TRI reporting)**

Not regulated

**Other federal regulations**

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

Not regulated

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

Not regulated

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

**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)  
PETROLEUM NAPHTHA (CAS 8008-20-6)

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

PETROLEUM NAPHTHA (CAS 8008-20-6) 10000 LBS

**US Pennsylvania RTK – Hazardous Substances**

ASPHALT (CAS 8052-42-4)

PETROLEUM NAPHTHA (CAS 8008-20-6)

**US Rhode Island RTK**

Not regulated

**US California Proposition 65**

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

ASPHALT (CAS 8052-42-4)

Listed: January 1, 1990

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes /no)*
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)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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 mor 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

**Version #** 01

**References**

ACGIH

EPA: AQUIEW database

NLM: Hazardous Substances Data Base

US. IARC Monographs on Occupational Exposures to Chemical Agents

HSDB® - Hazardous Substances Data Bank

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.

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