

SAFETY DATA SHEET

1. Identification

Product identifier **DISSCO® MC-30, MC-70, MC-250, MC-500, MC-800, MC-3000**
Other means of identification Asphalt Cutback
Recommended use Asphalt cutback used prime coat or aggregate mixing
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
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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

Lable elements



Signal word

Warning

Hazard statement Prevention

Flammable liquid and vapor. May cause drowsiness or dizziness
Keep away from heat/spars/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 DISTILATE		8008-20-9	40 – 60
HYDROGEN SULFIDE		7783-06-04	<.01

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 observation. Symptoms may be delayed

Medical attention and special 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

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.

Equipment/instructions

Specific methods

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

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	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
Methods and materials for containment and cleaning up	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.
Environmental precautions	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

Precautions for safe handling	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.
Conditions for safe storage, including any incompatibilities	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 ³	Inhalable fraction
PETROLEUM NAPHTHA (CAS 8008-20-6)	TWA	200 mg/m ³	Non-aerosol
HYDROGEN SULFIDE (7783-06-04)	TWA	10 ppm	Inhalable fraction

Us. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
ASPHALT (CAS 8052-42-4)	Ceiling	5 mg/m ³	Fume
PETROLEUM NAPHTHA (CAS 8008-20-6)	TWA	100 mg/m ³	Inhalable fraction
HYDROGEN SULFIDE (7783-06-04)	TWA	10 ppm	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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Other	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
Respiratory protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators
Thermal hazard	MC Asphalt is normally transported HOT >200° (93°C). Protective clothing designed to prevent thermal burns should be utilized.
General hygiene considerations	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.

9. Physical and chemical properties

Appearance	Viscous liquid
Physical state	Liquid
Form	Liquid
Color	Brown – black
Odor	Mild Petroleum Odor
Odor threshold	Not available
pH	Not available
Melting point/freezing point	Not available
Initial boiling point and boiling range	≥310° F (153° C), range not available
Flash point	≥ 105°F - 145° F (≥40° to ≥62° C) Closed cup
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	0.7 % estimated
Flammability limit – upper (%)	5 % estimated
Explosive limit – lower (%)	Not available
Explosive limit – upper (%)	Not available
Vapor pressure	Not available
Vapor density	> 1
Relative density	Not available
Solubility(ies)	
Solubility (water)	Not available
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	30 – 6000 kinematic
Viscosity temperature	140°F (60°C)
Other information	
Molecular weight	250 lb/lb-mole estimated
Specific gravity	0.78 - .98

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport
Chemical stability	Stable at normal conditions
Possibility of hazardous	Hazardous polymerization does not occur

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reactions

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/ Dispose of in accordance with local regulations

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unused products

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

14. Transport information

DOT

UN number UN3256
UN proper shipping name Elevated Temperature Liquid
Transport hazard class(es)
Class 3
Subsidiary risk -
Label(s) 3
Packing group III
Special precautions for user Not available
Special provisions B1, B52, IB3, T4, TP1, TP29
Packaging exceptions 150
Packaging non bulk 203
Packaging bulk 242

IATA

UN number UN3256
UN proper shipping name Elevated Temperature Liquid
Transport hazard class(s)
Class 3
Subsidiary risk -
Packing group III
Environmental hazards No.
ERG Code 3L
Special precautions for user Not available
Other information
Passenger and cargo Aircraft Allowed
Cargo aircraft only Allowed

IMDG

UN number UN3256
UN proper shipping name Elevated Temperature Liquid
Transport hazard class(es)
Class 3
Subsidiary risk -
Packing group III
Environmental hazards
Marine pollutant No
EmS F-E, S-E*
Special precautions for user 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)

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PETROLEUM DISTILLATE (CAS 8008-20-9)

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

PETROLEUM DISTILLATE (CAS 8008-20-9) 10000 LBS

US Pennsylvania RTK – Hazardous Substances

ASPHALT (CAS 8052-42-4)

PETROLEUM DISTILLATE (CAS 8008-20-9)

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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