SAFETY DATA SHEET

1. Identification
Product identifier Slop Oil
Other means of identification
SDS number 13
Recommended use Feedstock
Recommended restrictions None known.
Manufacturer / Importer / Supplier / Distributor information
Company name DCP Midstream
Address 370 17 Street Suite 2500 Denver, CO 80202
Telephone (303) 595-3331
E-mail safety@dcpmidstream.com
Contact person Mark Prewitt
Emergency phone number CHEMTREC - 24 HOURS: 800-424-9300

2. Hazard(s) identification
Physical hazards Not classified.
Health hazards Serious eye damage/eye irritation Category 2B
Germ cell mutagenicity Category 1B
Carcinogenicity Category 1B
Reproductive toxicity (fertility) Category 2
Specific target organ toxicity, single exposure Category 3 narcotic effects
Specific target organ toxicity, repeated exposure (oral) Category 2 (liver, kidney)
Aspiration hazard Category 1

OSHA hazard(s) Not Classified

Label elements
Hazard symbol

Signal word Danger

Hazard statement Causes eye irritation. May cause genetic defects. May cause cancer. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to organs (liver, kidney) through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Precautionary statement
Prevention Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Response If exposed or concerned: Get medical advice/attention. Take off contaminated clothing and wash before reuse. 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. If inhaled: Remove person to fresh air and keep comfortable for breathing. If swallowed: Immediately call a poison center/doctor. Do not induce vomiting. Call a poison center/doctor if you feel unwell.

Storage Protect from sunlight. Store in a well-ventilated place. Keep container tightly closed.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) Not classified.
Environmental Hazards

Hazardous to the aquatic environment, long-term hazard

Category 2

Supplemental Information

Hazard Symbol

Hazard statement
Toxic to aquatic life with long lasting effects.

Precautionary statement
Avoid release to the environment.
Collect spillage.

3. Composition/information on ingredients

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude oil</td>
<td></td>
<td>64741-48-6</td>
<td>0-95</td>
</tr>
<tr>
<td>Natural gas condensates</td>
<td></td>
<td>68919-39-1</td>
<td>0-60</td>
</tr>
<tr>
<td>Natural gas liquid</td>
<td></td>
<td>64741-48-6</td>
<td>0-15</td>
</tr>
<tr>
<td>Hydrogen sulfide</td>
<td></td>
<td>7783-06-4</td>
<td>0-1</td>
</tr>
</tbody>
</table>

Composition comments
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation
Immediately remove from further exposure. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Get medical attention immediately.

Skin contact
Wash with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if irritation develops or persists.

Eye contact
Immediately flush with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Ingestion
Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation develops or persists.

Most important symptoms/effects, acute and delayed
Aspiration may cause pulmonary edema and pneumonitis.

Indication of immediate medical attention and special treatment needed
Treat symptomatically. Be aware that symptoms of chemical pneumonia (shortness of breath) may occur several hours after exposure. Gastric lavage using a cuffed endotracheal tube may be performed at your discretion.

General information
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
5. Fire-fighting measures

NFPA 704 Hazard Class
Health: 1
Flammability: 3
Instability: 0
(0-Minimal, 1-Slight, 2-Moderate, 3-Serious, 4-Severe)

Suitable extinguishing media
Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media
None known.

Specific hazards arising from the chemical
Not applicable.

Special protective equipment and precautions for firefighters
Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions
Move containers from fire area if you can do it without risk. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Stay upwind. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid inhalation of vapors and spray mist and contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up
Remove sources of ignition. Beware of the explosion danger. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Small Spills: Absorb spillage with non-combustible, absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labeled container. Large Spills: Remove with vacuum trucks or pump to storage/salvage vessels. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Wash area with soap and water.

Environmental precautions
Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not contaminate water. Contact local authorities in case of spillage to drain/aquatic environment.

7. Handling and storage

Precautions for safe handling
Provide adequate ventilation. Avoid inhalation of vapors/mist and contact with skin and eyes. The product is extremely flammable, and explosive vapor/air mixtures may be formed even at normal room temperatures. Ground container and transfer equipment to eliminate static electric sparks. Vapors are heavier than air and may travel along the floor and in the bottom of containers. Use non-sparking hand tools and explosion-proof electrical equipment. Wear appropriate personal protective equipment. Immediately change contaminated clothes. Do not eat, drink or smoke when using the product. Observe good industrial hygiene practices. Use only bottom loading of tankers, in compliance with European legislation. Do not use compressed air for filling, discharging, or handling operations. Empty containers may contain flammable product residues.

Conditions for safe storage, including any incompatibilities
Store in a well-ventilated place. Follow rules for flammable liquids. Keep away from heat, spark, open flames and other sources of ignition. Store in a cool, dry place. Store in tightly closed containers.
8. Exposure controls/personal protection

Occupational exposure limits

U.S. OSHA Table Z-2 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Sulfide (CAS 7783-06-4)</td>
<td>Ceiling</td>
<td>20 ppm</td>
</tr>
</tbody>
</table>

U.S. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen sulfide (CAS 07883-06-4)</td>
<td>STEL</td>
<td>5 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 ppm</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Sulfide (CAS 07783-06-4)</td>
<td>Ceiling</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 ppm</td>
</tr>
<tr>
<td>Crude Oil (CAS 8002-05-9)</td>
<td>Ceiling</td>
<td>1800 mg/m³</td>
</tr>
<tr>
<td></td>
<td>REL</td>
<td>350 ppm</td>
</tr>
</tbody>
</table>

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Individual protection measures, such as personal protective equipment

- **Eye/face protection**
  - Wear goggles/face shield.

- **Skin protection**
  - Hand protection: Wear protective gloves. Nitrile gloves are recommended but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.
  - If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

- **Respiratory protection**
  - Other: Protection suit must be worn.

- **Thermal hazards**
  - Wear appropriate thermal protective clothing, when necessary.

- **General hygiene considerations**
  - When using, do not eat, drink or smoke. Wash hands after handling. Launder contaminated clothing before reuse. Private clothes and working clothes should be kept separately. Observe any medical surveillance requirements. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

- **Appearance**
  - Tan to black liquid.

- **Physical state**
  - Liquid.

- **Form**
  - Liquid.

- **Color**
  - Tan to black.

- **Odor**
  - Slightly pungent.
Odor threshold  Not available.

pH  Not available.

Melting point/freezing point  Not available.

Initial boiling point and boiling range  -0.4 °F (-18 °C)

Flash point  300.2 °F (149 °C)

Evaporation rate  Not available.

Flammability (solid, gas)  Not applicable.

Upper/lower flammability or explosive limits
Flammability limit – lower (%)  Not available.
Flammability limit – upper (%)  Not available.

Vapor pressure  Not available.

Vapor density  Not available.

Relative density  0.86 (Water=1)

Relative density temperature  68 °F (20 °C)

Solubility(ies)  0.1-1 Slightly soluble in water

Partition coefficient (n-octanol/water)  Not available.

Auto-ignition temperature  Not available.

Decomposition temperature  Not available.

Viscosity  Not available.

10. Stability and reactivity

Reactivity  The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability  Stable under normal temperature conditions.

Possibility of hazardous Reactions  Hazardous polymerization does not occur.

Conditions to avoid  Heat, flames and sparks. Elevated temperatures and incompatible materials.

Incompatible materials  Oxygen. Strong oxidizing agents.


11. Toxicological information

Information on likely routes of exposure

Ingestion  May be fatal if swallowed and enters airways.

Inhalation  May cause drowsiness or dizziness.

Skin contact  Causes skin irritation.

Eye contact  May cause eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics

Headaches, dizziness, fatigue, nausea and vomiting. Prolonged skin contact may cause redness, irritation and dry skin.

Information on toxicological effects

Acute toxicity

Breathing of high concentrations may cause dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude oil (CAS 8002-05-9)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Hydrogen sulfide (CAS 07783-06-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>0.38 mg/l, 4 Hours</td>
</tr>
<tr>
<td>Natural gas condensates (CAS 68919-39-1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rabbit</td>
<td>&gt; 5610 mg/m3</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation

Causes skin irritation. Pre-existing skin conditions including dermatitis might be aggravated by exposure to this product.

Serious eye damage/eye irritation

May cause eye irritation on direct contact.

Respiratory sensitization

Not classified.

Skin sensitization

Not a skin sensitizer.

Germ cell mutagenicity

May cause genetic defects.

Carcinogenicity

No data available.

IARC Monographs. Overall Evaluation of Carcinogenicity

Crude oil (CAS 8002-05-9) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity

May cause adverse reproductive effects - such as birth defects, miscarriages, or infertility.

Specific target organ toxicity - single exposure

May cause drowsiness.

Specific target organ toxicity - repeated exposure

Causes damage to the following organs through prolonged or repeated exposure: Liver, Kidneys.
Aspiration hazard

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Chronic effects

Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema/chapping and oil acne. May cause central nervous system depression. May cause damage to the liver and kidneys.

12. Ecological information

Ecotoxicity

Toxic to aquatic organisms, may cause long term adverse effects to the environment.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude oil (CAS 8002-05-9)</td>
<td>Aquatic</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>LC50</td>
</tr>
<tr>
<td>Hydrogen sulfide (CAS 7783-06-4)</td>
<td>Aquatic</td>
<td>Fish</td>
</tr>
<tr>
<td>Natural gas condensates (CAS 68919-39-1)</td>
<td>Aquatic</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Algae</td>
<td>EC50</td>
</tr>
<tr>
<td></td>
<td>Crustacea</td>
<td>EC50</td>
</tr>
<tr>
<td></td>
<td>Fish</td>
<td>EC50</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability

The degradability of the product has not been stated. The product meets the definition of the International Oil Pollution Compensation (IPOC) Fund as being a "non-persistent" oil.

Bioaccumulative potential

Not available.

Mobility in soil

Not available.

Other adverse effects

Not established.

13. Disposal considerations

Disposal instructions

Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration.

Local disposal regulations

Dispose of in accordance with local regulations.

Hazardous waste code

D001: Ignitable waste material.

Waste from residues / unused Products

Dispose of in accordance with local regulations

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as a hazardous material by DOT.

IATA

Not regulated as a dangerous good.

IMDG

Not regulated as a dangerous good.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.
15. Regulatory information

**US federal regulations**

This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

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

Not regulated.


Not on regulatory list.

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

Hydrogen sulfide (CAS 7783-06-4) LISTED

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

**Hazard categories**

- Immediate Hazard - Yes
- Delayed Hazard - Yes
- Fire Hazard - Yes
- Pressure Hazard - Yes
- Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

No

**SARA 311/312 Hazardous Chemical**

Yes

**Other federal regulations**

- **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**
  - Crude oil (CAS 8002-05-9)
  - Hydrogen sulfide (CAS 7783-06-4)
- **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**
  - Hydrogen sulfide (CAS 7783-06-4)
- **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)) and Chemical Code Number**
  - Not listed.
- **Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**
  - Not regulated.
- **DEA Exempt Chemical Mixtures Code Number**
  - Not regulated.
- **Food and Drug Administration (FDA)**
  - Not regulated.

**US state regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US. Massachusetts RTK - Substance List**

- Crude oil (CAS 8002-05-9)
- Hydrogen sulfide (CAS 7783-06-4)

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

- Crude oil (CAS 8002-05-9) 500 LBS
- Hydrogen sulfide (CAS 7783-06-4) 500 LBS

**US. Pennsylvania RTK - Hazardous Substances**

- Crude oil (CAS 8002-05-9)
- Hydrogen sulfide (CAS 7783-06-4)

**US. Rhode Island RTK**

- Crude oil (CAS 8002-05-9)
- Hydrogen sulfide (CAS 7783-06-4)

**US. California Proposition 65**

- US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance
  - Not listed.

**Country(s) or region** | **Inventory name** | **On inventory (yes/no)***
--- | --- | ---
Canada | Domestic Substances List (DSL) | Yes
Canada | Non-Domestic Substances List (NDSL) | No
United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes

*A “Yes” indicates this product complies with the inventory requirements administered by the governing country(s)*
16. Other information, including date of preparation or last version

Issue date 11-28-2012
Revision date – 2-5-2013
Version # 01

Further information Not available.

References
ACGIH
EPA: Acquire database
NLM: Hazardous Substances Data Base
US. IARC Monographs on Occupational Exposures to Chemical Agents
Registry of Toxic Effects of Chemical Substances (RTECS)

Disclaimer This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.