# Safety Data Sheet

## Section 1: Identification

<table>
<thead>
<tr>
<th>Product identifier</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name</strong></td>
<td>Crude Oil</td>
</tr>
<tr>
<td><strong>CAS Number</strong></td>
<td>8002-05-9</td>
</tr>
</tbody>
</table>

**Relevant identified uses of the substance or mixture and uses advised against**

<table>
<thead>
<tr>
<th>Recommended Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refinery feedstock</td>
</tr>
</tbody>
</table>

**Details of the supplier of the safety data sheet**

<table>
<thead>
<tr>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hunt Oil Company</td>
</tr>
<tr>
<td>1900 North Akard Street</td>
</tr>
<tr>
<td>Dallas, TX 75201-2300</td>
</tr>
<tr>
<td>United States</td>
</tr>
<tr>
<td><a href="http://www.huntoil.com">www.huntoil.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Telephone (General)</th>
</tr>
</thead>
<tbody>
<tr>
<td>214-978-8000</td>
</tr>
</tbody>
</table>

**Emergency telephone number**

<table>
<thead>
<tr>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>800-424-9300 - CHEMTREC</td>
</tr>
<tr>
<td>202-483-7616 - Outside of USA</td>
</tr>
</tbody>
</table>

## Section 2: Hazard Identification

### United States (US)

According to OSHA 29 CFR 1910.1200 HCS

**Classification of the substance or mixture**

<table>
<thead>
<tr>
<th>OSHA HCS 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable Liquids 2 - H225</td>
</tr>
<tr>
<td>Aspiration 1 - H304</td>
</tr>
<tr>
<td>Skin Irritation 2 - H315</td>
</tr>
<tr>
<td>Eye Irritation 2 - H319</td>
</tr>
<tr>
<td>Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity 1B - H340</td>
</tr>
<tr>
<td>Carcinogenicity 1A - H350</td>
</tr>
<tr>
<td>Reproductive Toxicity 2 - H361</td>
</tr>
<tr>
<td>Specific Target Organ Toxicity Repeated Exposure 1 - H372</td>
</tr>
</tbody>
</table>

**Label elements**

<table>
<thead>
<tr>
<th>OSHA HCS 2012</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DANGER</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Hazard statements**

| Highly flammable liquid and vapour - H225 |
| May be fatal if swallowed and enters airways - H304 |
| Causes skin irritation - H315 |
| Causes serious eye irritation - H319 |
| May cause drowsiness or dizziness - H336 |
| May cause genetic defects - H340 |
| May cause cancer - H350 |
| Suspected of damaging fertility or the unborn child - H361 |
| Causes damage to organs - Blood, Bone Marrow through prolonged or repeated exposure - H372 |
Precautionary statements

Prevention
- Obtain special instructions before use - P201
- Do not handle until all safety precautions have been read and understood - P202
- Keep away from heat, sparks, open flames and/or hot surfaces - No smoking - P210
- Keep container tightly closed - P233
- Ground and/or bond container and receiving equipment - P240
- Use explosion-proof electrical/ventilating/lighting/equipment - P241
- Use only non-sparking tools - P242
- Take precautionary measures against static discharge - P243
- Do not breathe mists, vapours, and/or spray - P260
- Wash thoroughly after handling - P264
- Do not eat, drink or smoke when using this product - P270
- Use only outdoors or in a well-ventilated area - P271
- Wear protective gloves, clothing, and eye/face protection - P280

Response
- In case of fire: Use appropriate media for extinction - P370+P378
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing - P304+P340
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower - P303+P361+P353
- If skin irritation occurs: Get medical advice/attention - P332+P313
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
- If eye irritation persists: Get medical advice/attention - P337+P313
- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician - P301+P310
- Call a POISON CENTER or doctor/physician if you feel unwell - P312
- Do NOT induce vomiting - P331
- Specific treatment, see supplemental first aid information - P321
- Get medical advice/attention if you feel unwell - P314
- IF exposed or concerned: Get medical advice/attention - P308+P313

Storage/Disposal
- Store in a well-ventilated place. Keep container tightly closed. - P403+P233
- Keep cool - P235
- Store locked up - P405
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations - P501

Other hazards

OSHA HCS 2012

Canada
According to WHMIS

Classification of the substance or mixture

WHMIS
- Flammable Liquids - B2
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

Label elements

WHMIS
- Flammable Liquids - B2
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

Other hazards

WHMIS
- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).
Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance

Mixtures

Composition

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
<th>LD50/LC50</th>
<th>Classifications According to Regulation/Directive</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum</td>
<td>CAS: 8002-05-9</td>
<td>100%</td>
<td>Ingestion/Oral-Rat LD50 • &gt;4300 mg/kg</td>
<td>OSHA HCS 2012: Flam. Liq. 1; Eye Irrit. 2; Skin Irrit. 2; STOT SE 3: Narc.; Repr. 2; Asp. Tox. 1</td>
<td>NDA</td>
</tr>
<tr>
<td>Benzene</td>
<td>CAS: 71-43-2</td>
<td>0.1% TO 1%</td>
<td>Ingestion/Oral-Mouse LD50 • 4700 mg/kg; Skin-Mouse LD50 • 48 mg/kg; Ingestion/Oral-Mammal LD50 • 5700 mg/kg; Ingestion/Oral-Rat LD50 • 1 mL/kg</td>
<td>OSHA HCS 2012: Flam Liq. 2; Eye Irrit. 2, Skin Irrit. 2, Muta. 1B; Carc. 1A; Asp. Tox 1; STOT RE 1 (Blood and Bone marrow); Repr. 2; STOT SE 3: Narc.; Acute Tox 4 (Oral)</td>
<td>NDA</td>
</tr>
<tr>
<td>Hydrogen sulfide</td>
<td>CAS: 7783-06-4</td>
<td>0% TO 0.01%</td>
<td>Inhalation-Rat LC50 • 444 ppm; Inhalation-Mouse LC50 • 634 ppm 1 Hour(s); Inhalation-Rat LC50 • 470 mg/m³ 6 Hour(s)</td>
<td>OSHA HCS 2012: Exposure limits</td>
<td>NDA</td>
</tr>
</tbody>
</table>

Section 4: First-Aid Measures

Description of first aid measures

Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention immediately.

Skin

- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing. Wash skin with soap and water.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.

Ingestion

- Give plenty of water to drink. Do NOT induce vomiting. Obtain medical attention immediately if ingested.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information

Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media

- LARGE FIRES: Water spray, fog or alcohol-resistant foam
- SMALL FIRES: Dry chemical, CO2, water spray or alcohol-resistant foam

Unsuitable Extinguishing Media

- Do not use direct water stream
Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards
- Containers may explode when heated.
- Vapor explosion hazard indoors, outdoors or in sewers.
- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.
- Many liquids are lighter than water.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Runoff to sewer may create fire or explosion hazard.
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products
- No data available

Advice for firefighters
- Structural firefighters’ protective clothing will only provide limited protection.
- Wear positive pressure self-contained breathing apparatus (SCBA).
- Move containers from fire area if you can do it without risk.
- LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions
- Ventilate the area. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures
- As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Environmental precautions
- Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Containment/Clean-up Measures
- Stop leak if you can do it without risk.
- Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
- Use clean non-sparking tools to collect absorbed material.
- A vapor suppressing foam may be used to reduce vapors.
- All equipment used when handling the product must be grounded.
- LARGE SPILLS: Dike far ahead of liquid spill for later disposal.
- LARGE SPILLS: Water spray may reduce vapor; but may not prevent ignition in closed spaces.

Section 7 - Handling and Storage

Precautions for safe handling

Handling
- Use only with adequate ventilation. Keep away from heat, sparks, and flame. All equipment used when handling the product must be grounded. Do not use sparking tools. Take precautionary measures against static charges. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapours and/or spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.
Conditions for safe storage, including any incompatibilities

Storage
- Keep away from heat and ignition sources. Keep container tightly closed. Store in a cool, dry, well-ventilated place.

Section 8 - Exposure Controls/Personal Protection

Control parameters

<table>
<thead>
<tr>
<th>Exposure Limits/Guidelines</th>
<th>Result</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen sulfide (7783-06-4)</td>
<td>Ceilings</td>
<td>Not established</td>
<td>10ppm Ceiling (10 min): 15 mg/m³ Ceiling (10 min)</td>
<td>20ppm Ceiling</td>
</tr>
<tr>
<td></td>
<td>STELs</td>
<td>5 ppm STEL</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>TWAs</td>
<td>1 ppm TWA</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Benzene (71-43-2)</td>
<td>Ceilings</td>
<td>Not established</td>
<td>Not established</td>
<td>25 ppm Ceiling</td>
</tr>
<tr>
<td></td>
<td>STELs</td>
<td>2.5 ppm STEL</td>
<td>1 ppm STEL</td>
<td>5 ppm STEL (see 29 CFR 1910.1028)</td>
</tr>
<tr>
<td></td>
<td>TWAs</td>
<td>0.5 ppm TWA</td>
<td>0.1 ppm TWA</td>
<td>10 ppm TWA (applies to industry segments exempt from the benzene standard at 29 CFR 1910.1028); 1 ppm TWA</td>
</tr>
<tr>
<td>Petroleum (8002-05-9)</td>
<td>Ceilings</td>
<td>Not established</td>
<td>1800 mg/m³ Ceiling (15 min)</td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>TWAs</td>
<td>Not established</td>
<td>350 mg/m³ TWA</td>
<td>Not established</td>
</tr>
</tbody>
</table>

Exposure controls

Engineering Measures/Controls
- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use explosion-proof electrical/ventilating/lighting/equipment.

Personal Protective Equipment

Respiratory
- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face
- Wear chemical splash safety goggles

Skin/Body
- Wear appropriate gloves

Environmental Exposure Controls
- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Key to abbreviations
ACGIH = American Conference of Governmental Industrial Hygiene
STEL = Short Term Exposure Limits are based on 15-minute exposures
NIOSH = National Institute of Occupational Safety and Health
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures
OSHA = Occupational Safety and Health Administration

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Appearance/Description</th>
<th>General Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td>Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Yellow to dark brown</td>
<td>Odor</td>
<td>Typical petroleum odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point</td>
<td>95 to 170 F(35 to 76.6667 C)</td>
<td>Melting Point</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity/Relative Density</td>
<td>0.75 to 0.99 Water = 1</td>
<td>Water Solubility</td>
<td>Negligible &lt; 0.1 %</td>
</tr>
</tbody>
</table>
Viscosity: 0.35 Centipoise (cPs, cP) or mPas @ 50 F(10 C)

Vapour Pressure: No data available
Evaporation Rate: No data available

Flammability:
- Flash Point: < 23 C(< 73.4 F)
- LEL: No data available
- UEL: No data available
- Flammability (solid, gas): Not relevant

Environmental:
- Octanol/Water Partition coefficient: No data available

**Section 10 - Stability and Reactivity**

**Reactivity**
- No dangerous reaction known under conditions of normal use

**Chemical stability**
- Stable under normal temperatures and pressures

**Possibility of hazardous reactions**
- Hazardous polymerization will not occur

**Conditions to avoid**
- Keep away from heat, sparks and flame

**Incompatible materials**
- Chlorine, fluorine and other strong oxidizers

**Hazardous decomposition products**
- Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products

**Section 11 - Toxicological Information**

**Information on toxicological effects**

**Components**

<table>
<thead>
<tr>
<th>Petroleum (100%)</th>
<th>8002-05-9</th>
<th>Acute Toxicity: Ingestion/Oral-Rat LD50 • 4300 mg/kg; Skin-Rabbit LD50 • 2000 mg/kg; Inhalation-Rat LC50 • 10000 ppm 7 Hour(s); Skin-Rabbit • 2 mg 24 Hour(s) • Severe irritation; Reproductive: Skin-Rabbit TDL0 • 200 mg/kg (1-19D preg); Reproductive Effects: Maternal Effects: Other effects: Reproductive Effects: Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene (0.1% TO 1%)</td>
<td>71-43-2</td>
<td>Acute Toxicity: Ingestion/Oral-Rat LD50 • 1800 mg/kg; Inhalation-Rat LC50 • 10000 ppm 7 Hour(s); Eye-Rabbit • 2 mg 24 Hour(s) • Severe irritation; Skin-Rabbit • 15 mg 24 Hour(s) • Open • Mild irritation; Mutagen: Dominant lethal test • Ingestion/Oral-Mouse • 1 mg/kg; Sister chromatid exchange • Inhalation-Mouse • 10 ppm 6 Hour(s); Reproductive: Inhalation-Rat TCL0 • 50 ppm 24 Hour(s)(7-14D preg); Reproductive Effects: Effects on Embryo or Fetus: Extra embryonic structures; Reproductive Effects: Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus); Tumorigen / Carcinogen: Ingestion/Oral-Rat TDL0 • 52 g/kg 52 Week(s)-Intermittent; Tumorigenic: Carcinogenic by RTECS criteria: Endocrine: Tumors; Blood: Leukemia</td>
</tr>
</tbody>
</table>

**GHS Properties**

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>OSHA HCS 2012•Data lacking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspiration Hazard</td>
<td>OSHA HCS 2012•Aspiration 1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>OSHA HCS 2012•Carcinogenicity 1A</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>OSHA HCS 2012•Germ Cell Mutagenicity 1B</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>OSHA HCS 2012•Skin Irritation 2</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>OSHA HCS 2012•Data lacking</td>
</tr>
</tbody>
</table>
Potential Health Effects

Inhalation

Acute (Immediate) • May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.

Chronic (Delayed) • No data available

Skin

Acute (Immediate) • Causes skin irritation

Chronic (Delayed) • No data available

Eye

Acute (Immediate) • Causes serious eye irritation

Chronic (Delayed) • No data available

Ingestion

Acute (Immediate) • Material may be aspirated into lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause severe lung injury, chemical pneumonitis, pulmonary edema or death.

Chronic (Delayed) • No data available

Other

Chronic (Delayed) • Chronic exposure to benzene, a component of this material, results primarily in hematotoxicity, including aplastic anemia, pancytopenia, or any combination of anemia, leukopenia, and thrombocytopenia. Chronic benzene exposure is associated with an increased risk of leukemia.

Mutagenic Effects • Repeated and prolonged exposure may cause mutagenic effects

Carcinogenic Effects • Repeated and prolonged exposure may cause cancer

<table>
<thead>
<tr>
<th>Carcinogenic Effects</th>
<th>CAS</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td>71-43-2</td>
<td>Specifically Regulated Carcinogen</td>
<td>Group 1-Carcinogenic</td>
<td>Known Human Carcinogen</td>
</tr>
</tbody>
</table>

Reproductive Effects • Animal tests for components have shown adverse reproductive effects

Key to abbreviations

LD = Lethal Dose

TC = Toxic Concentration

TD = Toxic Dose

Section 12 - Ecological Information

Toxicity

• Material data lacking

Persistence and degradability

• Material data lacking

Bioaccumulative potential

• Material data lacking

Mobility in Soil

• Material data lacking

Other adverse effects
No studies have been found

Section 13 - Disposal Considerations

Waste treatment methods

Product waste  • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste  • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Packing group</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>UN1267 Petroleum crude oil</td>
<td>3</td>
<td>II</td>
<td>NDA</td>
</tr>
<tr>
<td>TDG</td>
<td>UN1267 PETROLEUM CRUDE OIL</td>
<td>3</td>
<td>II</td>
<td>NDA</td>
</tr>
<tr>
<td>IATA/ICAO</td>
<td>UN1267 Petroleum crude oil</td>
<td>3</td>
<td>II</td>
<td>NDA</td>
</tr>
</tbody>
</table>

Special precautions for user  • No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  • No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications  • Chronic, Fire

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Canada DSL</th>
<th>Canada NDSL</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td>71-43-2</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Hydrogen sulfide</td>
<td>7783-06-4</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Petroleum</td>
<td>8002-05-9</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Canada

Labor  
Canada - WHMIS - Classifications of Substances
• Hydrogen sulfide 7783-06-4 A, B1, D1A, D2B
• Benzene 71-43-2 B2, D2A, D2B
• Petroleum 8002-05-9 B2

Canada - WHMIS - Ingredient Disclosure List
• Hydrogen sulfide 7783-06-4 1 %
• Benzene 71-43-2 0.1 %
• Petroleum 8002-05-9 Not Listed

Environment  
Canada - CEPA - Priority Substances List
• Hydrogen sulfide 7783-06-4 Not Listed
• Benzene 71-43-2 Priority Substance List 1 (substance considered toxic)
• Petroleum 8002-05-9 Not Listed

United States

Labor  
U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals
• Hydrogen sulfide 7783-06-4 1500 lb TQ
• Benzene 71-43-2 Not Listed
• Petroleum 8002-05-9 Not Listed

U.S. - OSHA - Specifically Regulated Chemicals
• Hydrogen sulfide 7783-06-4 Not Listed
• Benzene 71-43-2 5 ppm STEL (See 29 CFR 1910.1028, 15 min); 0.5 ppm Action Level; 1 ppm TWA
Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants
- Hydrogen sulfide 7783-06-4 Not Listed
- Benzene 71-43-2 (including Benzene from gasoline)
- Petroleum 8002-05-9 Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities
- Hydrogen sulfide 7783-06-4 100 lb final RQ; 45.4 kg final RQ
- Petroleum 8002-05-9 10 lb final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule); 4.54 kg final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule)

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities
- Hydrogen sulfide 7783-06-4 Not Listed
- Benzene 71-43-2 Not Listed
- Petroleum 8002-05-9 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs
- Hydrogen sulfide 7783-06-4 100 lb EPCRA RQ
- Benzene 71-43-2 Not Listed
- Petroleum 8002-05-9 Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs
- Hydrogen sulfide 7783-06-4 500 lb TPQ
- Benzene 71-43-2 Not Listed
- Petroleum 8002-05-9 Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting
- Hydrogen sulfide 7783-06-4 1.0 % de minimis concentration
- Benzene 71-43-2 0.1 % de minimis concentration
- Petroleum 8002-05-9 Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing
- Hydrogen sulfide 7783-06-4 Not Listed
- Benzene 71-43-2 Not Listed
- Petroleum 8002-05-9 Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List
- Hydrogen sulfide 7783-06-4 Not Listed
- Benzene 71-43-2 Carcinogen, initial date 2/27/87
- Petroleum 8002-05-9 Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity
- Hydrogen sulfide 7783-06-4 Not Listed
- Benzene 71-43-2 Developmental toxicity, initial date 12/26/97
- Petroleum 8002-05-9 Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)
- Hydrogen sulfide 7783-06-4 Not Listed
- Benzene 71-43-2 24 μg/day MADL (oral); 49 μg/day MADL (inhalation)
- Petroleum 8002-05-9 Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)
- Hydrogen sulfide 7783-06-4 Not Listed
- Benzene 71-43-2 6.4 μg/day NSRL (oral); 13 μg/day NSRL (inhalation)
- Petroleum 8002-05-9 Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female
- Hydrogen sulfide 7783-06-4 Not Listed
- Benzene 71-43-2 Not Listed
- Petroleum 8002-05-9 Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male
- Hydrogen sulfide 7783-06-4 Not Listed
- Benzene 71-43-2 Male reproductive toxicity, initial date 12/26/97
- Petroleum 8002-05-9 Not Listed

Other Information

- WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.
### Section 16 - Other Information

<table>
<thead>
<tr>
<th>Last Revision Date</th>
<th>15/October/2014</th>
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<tr>
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<td>15/October/2014</td>
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#### Disclaimer/Statement of Liability

- This Safety Data Sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet, which we received from sources outside our Company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made either express or implied.

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**Key to abbreviations**

NDA = No Data Available