Section 1 - Chemical Product and Company Identification

MSDS Name:
Kerosene

Catalog Numbers:
LC15850

Synonyms:
Kerosine; Coal oil; No. 1 fuel oil; jet fuel JP-1; range oil

Company Identification:
LabChem, Inc.
200 William Pitt Way
Pittsburgh, PA 15238

Company Phone Number:
(412) 826-5230

Emergency Phone Number:
(800) 424-9300

CHEMTRREC Phone Number:
(800) 424-9300

Section 2 - Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name:</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>8008-20-6</td>
<td>Kerosene</td>
<td>&gt;99</td>
</tr>
</tbody>
</table>

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colorless to light brown
May cause respiratory and digestive tract irritation. Causes eye and skin irritation. May be absorbed through the skin. Flash Point: 150°F.
Target Organs: none known.

Potential Health Effects

Eye:
Causes irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.

Skin:
May be absorbed through the skin. May cause narcosis.
Ingestion:
Ingestion may cause nausea; larger doses can lead to central nervous system depression, weakness, dizziness, shallow/slow respiration, unconsciousness, ventricular fibrillation (leading to cardiac death). Ingestion can cause droplets entering the lungs to cause pneumonia.

Inhalation:
May cause bronchial pneumonia. Respiratory irritation, dizziness, weakness, fatigue, nausea, headache, unconsciousness, asphyxiation (effects of narcotic).

Chronic:
May cause dermatitis and conjunctivitis. Chronic inhalation causes dizziness, weakness, weight loss, anemia, nervousness, limb pain, numbness, paresthesia. Persons with pre-existing skin or chronic respiratory disease at increased risk.

Section 4 - First Aid Measures

Eyes:
Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until chemical is gone. Get medical aid at once.

Skin:
Get medical aid at once. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:
Do NOT induce vomiting. Get medical aid at once.

Inhalation:
Get medical aid at once. Keep victim warm, at rest. Move victim to fresh air. If breathing has stopped, give artificial respiration.

Notes to Physician:
Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:
Move container if possible, cool with flooding amounts of water. Vapor-air mixtures explosive above flash point. Slight fire hazard when exposed to heat or flame. Solid streams may spread fire. Avoid breathing vapors. Extinguish only if flow can be stopped.

Extinguishing Media:
In case of fire use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition Temperature:
410°F (210.00°C)

Flash Point:
150°F (65.56°C)

NFPA Rating:
CAS # 8008-20-6 health-0; flammability-2; reactivity-0

Explosion Limits:
Lower: 0.7%  Upper: 5%
Material Safety Data Sheet
Kerosene

Section 6 - Accidental Release Measures

General Information:
Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:
Shut off ignition source, avoid vapors. Isolate, ventilate spill area. Absorb liquid with a non-combustible absorbent (sand), place in a suitable container (glass, plastic, lined metal) and label for disposal.

Section 7 - Handling and Storage

Handling:
Vapor explosion hazard indoors. Drums and tanks must be electronically grounded.

Storage:
Store at room temperature. Store away from heat and incompatible substances. Store as a flammable substance in an area provided with ventilation.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Provide local exhaust or general dilution ventilation.

Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerosene</td>
<td>None of the components are on this list.</td>
<td>100 mg/m³ TWA</td>
<td>None of the components are on this list.</td>
</tr>
</tbody>
</table>

OSHA Vacated PELs

Personal Protective Equipment

Eyes:
Do not wear contact lenses when working with chemicals. Wear splash-proof safety goggles.

Skin:
Wear appropriate protective gloves to prevent skin exposure.

Clothing:
Wear appropriate protective clothing to prevent skin exposure.

Respirators:
Use OSHA approved respirators in 29CFR 1010.134.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Color: colorless to light brown
Odor: mild petroleum odor
pH: n/a
Material Safety Data Sheet
Kerosene

Vapor Pressure: 5 mm Hg @ 38°C
Vapor Density: 4.5
Evaporation Rate: n/a
Viscosity: n/a
Boiling Point: 304 - 574°F
Freezing/Melting Point: 0°F (-17.78°C)
Decomposition Temperature: No information found.
Solubility in water: Insoluble.
Specific Gravity/Density: 0.8
Molecular Formula: mixture
Molecular Weight: No information found.

Section 10 - Stability and Reactivity

Chemical Stability:
Stable under normal temperatures and pressures.

Conditions to Avoid:
Incompatible materials.

Incompatibilities with Other Materials
Oxidizing agents.

Hazardous Decomposition Products
Carbon monoxide, carbon dioxide, hydrocarbons.

Hazardous Polymerization
Will not occur.

Section 11 - Toxicological Information

RTECS:
CAS# 8008-20-6: OA5500000.

LD50/LC50:
CAS# 8008-20-6:
Inhalation, rat: LC50 => 5 gm/m3/4H
Oral, rabbit: LD50 = 2835 mg/kg
Oral, rat: LD50 => 5 gm/kg.

Carcinogenicity:
CAS# 8008-20-6: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

Epidemiology:
Not classified as carcinogenic by OSHA, IARC or NTP.
Material Safety Data Sheet
Kerosene

Teratogenicity:
Reproductive:
Mutagenicity
Neurotoxicity

Section 12 - Ecological Information

No information found.

Section 13 - Disposal Considerations

Dispose of in accordance with federal, state, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: KEROSENE
Hazard Class: 3
UN Number: UN1223
Packing Group: PG III

Section 15 - Regulatory Information

US Federal

TSCA
CAS# 8008-20-6 is listed on the TSCA Inventory.

SARA Reportable Quantities (RQ)
None of the components are on this list.

CERCLA/SARA Section 313
None of the components are on this list.

OSHA - Highly Hazardous
None of the components are on this list.

US State

State Right to Know
Kerosene can be found on the following state Right-to-Know lists: New Jersey, Florida, Pennsylvania, Massachusetts.

California Regulations

European/International Regulations

Canadian DSL/NDSL
CAS# 8008-20-6 is listed on Canada's DSL List.

Canada Ingredient Disclosure List
CAS# 8008-20-6 is not listed on Canada's Ingredient Disclosure List.
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