1. IDENTIFICATION

Product Identifier: Kerosene


Intended use of the product: Fuel

Contact: Global Companies LLC
Water Mill Center
800 South St.
Waltham, MA 02454-9161
www.globalp.com

Contact Information: EMERGENCY TELEPHONE NUMBER (24 hrs): CHEMTREC (800) 424-9300
COMPANY CONTACT (business hours): 800-542-0778

2. HAZARD IDENTIFICATION

According to OSHA 29 CFR 1910.1200 HCS

Classification of the Substance or Mixture

Classification (GHS-US):
- Flam. Liquid: Category 3 H226
- Skin Corrosion/Irritation: Category 2 H315
- Aspiration Hazard: Category 1 H304
- STOT SE: Category 3 H336
- Aquatic Chronic: Category 2 H411

Labeling Elements

Signal Word (GHS-US): Danger

Hazard Statements (GHS-US)
- H226 – Flammable liquid and vapor.
- H315 – Causes Skin irritation.
- H304 – May be fatal if swallowed and enters airways.
- H336 – May cause drowsiness or dizziness.
- H411 – Toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US):
- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P233 - Keep container tightly closed.
- P240 – Ground/bond container and receiving equipment.
- P241 – Use explosion-proof electrical/ventilating/lighting equipment pursuant to applicable electrical code.
- P242 – Use only non-sparking tools.
- P243 – Take precautionary measures against static discharge.
- P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 – Wash skin thoroughly after handling.
P271 – Use only outdoors or in a well-ventilated area.
P273 – Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P303+361+353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse with water/shower.
P308+311 - If exposed or concerned: Get medical advice/attention.
P301+310 - If swallowed: Immediately call a poison center/doctor/…
P331 - Do NOT induce vomiting.
P370+P378 – In case of fire use firefighting foam or other appropriate media for Class B fires to extinguish.
P403+235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 – Dispose of contents/container in accordance with local/regional/national/international regulation.

Other information:
NFPA 704
Health: 2
Fire: 2
Reactivity: 0

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Composition Information

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier (CAS#)</th>
<th>% (w/w)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerosene</td>
<td>8008-20-6</td>
<td>100</td>
<td>Flam Gas 3, H226; Skin Irrit. 2, H315; Aspiration 1, H304; STOT SE 3, H336; Aquatic Chronic H411</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>0.04</td>
<td>Carc. 2, H351; Acute Tox. 4, H302; Aquatic Acute 1, H400; Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>

Additional Formulation Information
A complex combination of hydrocarbons including naphthenes, paraffins, and aromatics.

4. FIRST AID MEASURES

Response

<table>
<thead>
<tr>
<th>Route</th>
<th>Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Remove person to fresh air. If person is not breathing, ensure an open airway and provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Aspiration Hazard: DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention. In case of contact lenses, remove immediately.</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET
Kerosene

<table>
<thead>
<tr>
<th>Route</th>
<th>Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Contact</td>
<td>Remove contaminated clothing and shoes. Wash contaminated areas thoroughly with soap and water or waterless hand cleanser. Obtain medical attention if irritation or redness develops. Thermal burns require immediate medical attention depending on the severity and of the area of the body burned.</td>
</tr>
</tbody>
</table>

**Most Important Symptoms**
Contact with eyes and face may cause irritation. Long-term exposure may cause dermatitis (itching, irritation, pain and swelling). Kerosene has shown to augment the toxicity of skin sensitizing agents.

Inhalation may cause irritation and significant or long term exposure could cause respiratory insufficiency and pulmonary edema.

**Immediate Medical Attention and Special Treatment**
For contact with skin or eyes, immediately wash or flush contaminated eyes with gently flowing water. If possible, irrigate each eye continuously with 0.9% saline (NS). If ingested, rinse mouth and administer 5 m/kg up to 200 ml of water of dilution if the patient can swallow. Do NOT induce vomiting, as this may cause chemical pneumonia (fluid in the lungs).

If inhaled, administer oxygen or establish a patent airway if breathing is labored. Suction if necessary. Monitor closely, anticipate seizures. Consider orotracheal or nostracheal intubation of airway control if patient is unconscious or is in severe respiratory distress.

Discard any clothing or shoes contaminated as they may be flammable.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing Media**
Foam, carbon dioxide, dry chemical are most suitable

SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO2, water spray, firefighting foam, or Halon. Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other firefighting equipment.

LARGE FIRES: Foam, carbon dioxide, dry chemical. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

During certain times of the year and/or in certain geographical locations, fuel oil may contain additional additives. Firefighting foam suitable for polar solvents is recommended for fuel with greater than 10% oxygenate concentration - refer to NFPA 11 ‘Low Expansion Foam -1994 Edition.”

**Specific Hazards / Products of Combustion**
Moderate fire hazard when exposed to heat or flame with a very low flash point. Flammable and easily ignited when exposed to heat, spark, open flame or other source of ignition. Flowing product may be ignited by self-generated static electricity. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

Combustion may produce smoke, carbon monoxide and other products of incomplete combustion.

**Special Precautions and Protective Equipment for Firefighters**
Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied firefighting foam.

**Fighting Equipment/Instructions**
Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH- approved pressure-demand self-contained breathing apparatus with full face piece and protective clothing.

Refer to Section 9 for fire properties of this chemical including flash point, auto ignition temperature, and explosive limits.
6. ACCIDENTAL RELEASE MEASURES

ACTIVATE FACILITY SPCC, SPILL CONTINGENCY or EMERGENCY PLAN.

Personal Precautions
Due to high vapor density, flammable / toxic vapors may be present in low lying areas, dikes, pits, drains, or trenches. Vapors may accumulate in low lying areas and reach ignitable concentrations. Ventilate the area. Use of non-sparking tools and intrinsically safe equipment is recommended. Potential for flammable atmosphere should be monitored using a combustible gas indicator positioned downwind of the spill area. Refer to Sections 2 and 7 for further hazard warnings and handling instructions.

Use appropriate personal protective equipment to prevent eye/skin contact and absorption. Use NIOSH approved respiratory protection, if warranted, to prevent exposures above permissible limits. Refer to Section 8. Contaminated clothing should not be near sources of ignition.

Emergency Measures
As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Consider wind direction. Secure all ignition sources (flame, spark, hot work, hot metal, etc.) from area. Evaluate the direction of product travel, diking sewers, etc. to confirm spill areas. Do not touch or walk-through spilled material. For large spills, isolate initial action distance downwind 1,000 ft. (300 m).

Environmental Precautions
Stop the spill to prevent environmental release if it can be done safely. Product is toxic to aquatic life. Take action to isolate environmental receptors including drains, storm sewers and natural water bodies. Keep on impervious surface if at all possible. Use water sparingly to prevent product from spreading. Foam and absorbents may be used to reduce / prevent airborne release.

Spills may infiltrate subsurface soil and groundwater; professional assistance may be necessary to determine the extent of subsurface impact.

Follow federal, state or local requirements for reporting environmental release where necessary. Refer to Section 15 for further information.

Containment and Clean-Up Methods
Carefully contain and stop the source of the spill, if safe to do so. Protect bodies of water by diking absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. The use of firefighting foam may be useful in certain situations to reduce vapors. The proper use of water spray may effectively disperse product vapors or the liquid itself, preventing contact with ignition sources or areas/equipment that require protection.

Take up with dry earth, sand or other non-combustible, inert oil absorbing materials. Carefully shovel, scoop or sweep up into a waste container with clean, non-sparking tools for reclamation or disposal. Response and cleanup crews must be properly trained and must utilize proper protective equipment. Refer to Section 8 for appropriate protective equipment.

7. HANDLING AND STORAGE
USE ONLY AS A FUEL.
DO NOT SIPHON BY MOUTH.

Handling Precautions
Handle as a combustible liquid. Keep away from heat, sparks, and open flame. No smoking. Electrical equipment should be approved for classified area. Bond and ground containers during product transfer pursuant to NFPA 70 and API RP 2003 to reduce the possibility of static-initiated fire or explosion. Follow precautions to prevent static initiated fire.

Use good personal hygiene practices. Use only with protective equipment specified in Section 8. Avoid repeated and/or prolonged skin exposure. Use only outdoors or in well ventilated areas. Wash hands before eating, drinking, smoking, or using toilet facilities. Do not use as a cleaning solvent on the skin. Do not use solvents or harsh abrasive skin cleaners for washing this product from exposed skin areas. Waterless hand cleaners are effective. Promptly remove contaminated clothing and launder before reuse. Use care when laundering to prevent the formation of flammable vapors which could ignite via washer or dryer. Consider the need to discard contaminated leather shoes and gloves. Emergency eye wash capability should be available in the near proximity to operations presenting a potential splash exposure.

Special slow load procedures for "switch loading" must be followed to avoid the static ignition hazard that can exist when
higher flash point material (such as fuel oil) is loaded into tanks previously containing low flash point products (such as this product) - see API RP 2003, "Protection Against Ignitions Arising Out Of Static, Lightning and Stray Currents."

Storage
Large quantities of kerosene are stored in cylindrical floating-roof or fixed-roof tanks at an ambient storage temperature. Separate from incompatible chemicals (Refer to Section 10) by distance or secondary containment. Keep away from flame, sparks, excessive temperatures and open flame. Use approved vented containers that are clearly labeled. Label all secondary containers that this material is transferred into with the chemical name and associated hazard(s). Empty product containers or vessels may contain flammable vapors. Do not pressurize, cut, heat, weld or expose such containers to sources of ignition.

Storage tanks should have a venting system. If stored in small containers, the area should be well ventilated and protected from potential damage or vehicular traffic. Post “No Smoking” signs in product storage areas. This storage area should comply with NFPA 30 “Flammable and Combustible Liquid Code” or applicable building code. The cleaning of tanks previously containing this product should follow API Recommended Practice (RP) 2013 “Cleaning Mobile Tanks in Flammable and Combustible Liquid Service” and API RP 2015 “Safe Entry and Cleaning of Petroleum Storage Tanks”.

Incompatibles
Keep away from strong oxidizers, ignition sources and heat.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>List</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerosene</td>
<td>8008-20-6</td>
<td>ACGIH TLV-TWA</td>
<td>200 mg/m3*</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>ACGIH TLV-TWA</td>
<td>10 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PEL</td>
<td>10 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH STEL</td>
<td>15 ppm</td>
</tr>
</tbody>
</table>

*Critical effects; Skin & Upper Respiratory Tract irritant; CNS impairment.

Engineering Controls
Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces. Intrinsically safe equipment and non-sparking tools shall be used in circumstances where concentrations may exceed lower flammable limits. Grounding and bonding shall be used to prevent accumulation and discharge of static electricity. Emergency shower and eyewash should be provided in proximity to handling areas in the event of exposure to decontaminate.

Personal Protective Equipment

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye / Face</td>
<td>Wear appropriate chemical protective glasses or goggles or face shields to prevent skin and eye contact especially caused from splashing.</td>
</tr>
<tr>
<td>Skin</td>
<td>Wear appropriate personal protective clothing to prevent skin contact. Gloves constructed of nitrile, neoprene or PVC are recommended when handling this material. Chemical protective clothing such as of E.I. DuPont TyChem®, Saranex® or equivalent recommended based on degree of exposure. Note: The resistance of specific material may vary from product to product as well as with degree of exposure.</td>
</tr>
<tr>
<td>Respiratory</td>
<td>A NIOSH/MSHA-approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited. Refer to OSHA 29 CFR 1910.134, ANSI Z88.2-1992, NIOSH Respirator Decision Logic, and the manufacturer for additional guidance on respiratory protection selection and limitations. Use a positive pressure, air-supplied respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen-deficient atmospheres, or any other circumstance where an air-purifying respirator may not provide adequate protection.</td>
</tr>
<tr>
<td>Thermal</td>
<td>Product is stored at ambient temperature. No thermal protection is required except for emergency operations involving actual or potential for fire. Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces.</td>
</tr>
</tbody>
</table>
## 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Pale yellow to water-white. May be dyed red.</td>
</tr>
<tr>
<td>Odor</td>
<td>Strong characteristic petroleum distillate odor.</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>1 ppm</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>-4 °F (-20 °C)</td>
</tr>
<tr>
<td>Boiling Point Range</td>
<td>300 to 580 °F (149 to 304 °C)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>100.4 – 125.6 °F (38 -52 °C)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Slow, varies with conditions</td>
</tr>
<tr>
<td>Flammability</td>
<td>Flammable liquid</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>0.7 % - 5.0%</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>0.480 mm Hg @ 20 °C</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>4.5 (air=1)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.80 to &lt;1.0 (water=1)</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insol in water; miscible with other petroleum solvents.</td>
</tr>
<tr>
<td>Partition Coefficient (N-octanol/water)</td>
<td>Log Kow range of 3.3 to &gt;6.0</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>410 °F (210 °C)</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>When heated it emits acrid smoke and irritating vapors.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>1.39 – 1.50 mm2/x (40°C)</td>
</tr>
<tr>
<td>Percent Volatiles</td>
<td>100</td>
</tr>
</tbody>
</table>

## 10. STABILITY AND REACTIVITY

**Stability**
This is a stable material that is flammable liquid (OSHA/GHS hazard category 3). Stable during transport.

**Reactivity**
Material is not self-reacting. Flammable concentrations may be present in air. Compound can react with oxidizing materials.

**Possibility of Hazardous Reactions**
Hazardous polymerization will not occur.

**Incompatibility**
Keep away from strong oxidizers such as nitric and sulfuric acids.

**Conditions to Avoid**
Avoid high temperatures, open flames, sparks, static electricity, welding, smoking and other ignition sources.

**Hazardous Decomposition Products**
Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:**

**Acute Toxicity (Inhalation LC50)**
Kerosene (8008-20-6)
LC50 Inhalation Rat       >5.28 mg/l/4h
Acute Toxicity (Dermal LC50)
Kerosene (8008-20-6)
LD50 Dermal Rabbit >2000 mg/kg

Acute Toxicity (Oral LC50)
Kerosene (8008-20-6)
LD50 Dermal Rabbit >5000 mg/kg

Skin Corrosion/Irritation: Prolonged and repeated contact may cause skin irritation leading to dermatitis. Liquid may be absorbed through the skin in toxic amounts if large areas of skin are exposed repeatedly.

Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not available
Carcinogenicity: OSHA: NO  IARC: NO  NTP: NO  ACGIH: No
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Specific Target Organ Toxicity (Single Exposure): Inhalation exposure may cause drowsiness or dizziness by inhalation exposure.
Aspiration Hazard: The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.
Potential Health Effects: Vapor irritating to skin, eyes, nose, and throat. Ingestion may cause gastrointestinal disturbances, including irritation, nausea, vomiting and diarrhea, and central nervous system (brain) effects similar to alcohol intoxication. In severe cases, tremors, convulsions, loss of consciousness, coma, respiratory arrest, and death may occur.
WARNING: The burning of any hydrocarbon as a fuel in an area without adequate ventilation may result in hazardous levels of combustion products, including carbon monoxide, and inadequate oxygen levels, which may cause unconsciousness, suffocation, and death.

12. ECOLOGICAL INFORMATION

Toxicity:
This material is expected to be toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

Data for Component: Kerosene (8008-20-6)
Material is toxic to aquatic organisms based on an acute basis (LC50/EC50 >1 but ≤ 10 mg/L in the most sensitive species tested).
Material is a long-term aquatic hazard based on a chronic basis (LC50/EC50 >1 but ≤ 10 mg/L in the most sensitive species tested).

Persistence and Degradation: This material is not expected to be readily biodegradable.
Bioaccumulative Potential: Not available
Mobility In Soil: Not available
Other Adverse Effects: None known
Other Information: Avoid release to the environment.
13. DISPOSAL CONSIDERATIONS
Consult federal, state and local waste regulations to determine appropriate disposal options. May be considered a hazardous waste if disposed. Direct solid waste (landfill) or incineration at a solid waste facility is not permissible. Do not discharge to sanitary or storm sewer. Personnel handling waste containers should follow precautions provided in this document.

Shipping containers must be DOT authorized packages. Follow licensure and regulations for transport of hazardous material and hazardous waste as applicable.

14. TRANSPORT INFORMATION

US DOT
UN Identification Number UN 1223
Proper Shipping Name Kerosene
Hazard Class and Packing Group 3, PGIII
Shipping Label Flammable liquid
Placard / Bulk Package Flammable liquid, 1223
Emergency Response Guidebook Guide Number 128

IATA Information
UN Identification Number UN 1223
Proper Shipping Name Kerosene
Hazard Class and Packing Group 3, PGIII
ICAO Label 3
Packaging Instructions Cargo 366, Y344
Max Quantity Per Package Cargo 220L
Packaging Instructions Passenger 366, Y355
Max Quantity per Package 60L

ICAO
UN Identification Number UN 1223
Shipping Name / Description Kerosene
Hazard Class and Packing Group 3, PG III
IMDG Label 3

IMDG
UN Identification Number UN1223
Shipping Name / Description Kerosene
Hazard Class and Packing Group 3, PGIII
IMDG Label 3
EmS Number F-E-S-E
Marine Pollutant Yes

15. REGULATORY INFORMATION

U.S. Federal, State, and Local Regulatory Information
Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal, state and/or local reporting requirements. This product and/or its constituents may also be subject to other federal, state, or local regulations; consult those regulations applicable to your facility/operation.

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

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312
Immediate (Acute) Health Hazard Yes
Delayed (Chronic) Health Hazard Yes
Fire Hazard Yes
Reactive Hazard No
Sudden Release of Pressure Hazard No
Clean Water Act (Oil Spills)
Any spill or release of this product to “navigable waters” (Essentially any surface water, including certain wetlands) or adjoining shorelines sufficient to cause a visible sheen or deposit of a sludge or emulsion must be reported immediately to the National Response Center (1-800-424-8802) or, if not practical, the U.S. Coast Guard with follow up to the National Response Center, as required by U.S. Federal Law. Also contact appropriate state and local regulatory agencies as required.

CERCLA Section 103 and SARA Section 304 (Release to the Environment)
The CERCLA definition of hazardous substances contains a “petroleum exclusion” clause which exempts this material. This product does not contain any chemicals subject to the reporting requirements of CERCLA Section 103 or SARA 304.

SARA Section 313- Supplier Notification
This product does not contain any chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

Pennsylvania Right to Know Hazardous Substance list:
The following product components are cited in the Pennsylvania Special Hazardous Substance List, and are present at levels which require reporting.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerosene</td>
<td>8008-20-6</td>
<td>100%</td>
</tr>
</tbody>
</table>

New Jersey Right to Know Hazardous Substance list:
The following product components are cited in the New Jersey Right to Know Hazardous Substance List, and are present at levels which require reporting.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerosene</td>
<td>8008-20-6</td>
<td>100%</td>
</tr>
</tbody>
</table>

California Proposition 65
WARNING: This product contains chemicals known to the State of California to cause Cancer or Reproductive Toxicity.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>0.04%</td>
</tr>
</tbody>
</table>

U.S. Toxic Substances Control Act
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

CEPA - Domestic Substances List (DSL)
All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

Canadian Regulatory Information (WHMIS)
Class B3 – Combustible Liquid
Class D2B – Materials causing other toxic effects. Toxic material.

16. OTHER INFORMATION

Version 3
Issue Date May 20, 2016
Prior Issue Date February 10, 2015

Description of Revisions
Revised to meet Globally Harmonized System for chemical hazard communication requirements pursuant to OSHA regulatory revisions 77 FR 17884, March 26, 2012.
Abbreviations

°F  Degrees Fahrenheit (temperature)
<  Less than
=  Equal to
>  Greater than
AP  Approximately
C  Centigrade (temperature)
kg  Kilogram
L  Liter
mg  Milligrams
mL  Milliliter
mm²  Square millimeters
mmHg  Millimeters of mercury (pressure)
N/A  Not applicable
N/D  Not determined
ppm  Parts per million
sec  Second
ug  Micrograms

Acronyms

ACGIH  American Conference of Governmental Industrial Hygienists
AIHA  American Industrial Hygiene Association
AL  Action Level
ANSI  American National Standards Institute
API  American Petroleum Institute
CAS  Chemical Abstract Service
CERCLA  Comprehensive Emergency Response, Compensation, and Liability Act
DOT  U.S. Department of Transportation
EC50  Ecological concentration 50%
EPA  U.S. Environmental Protection Agency
ERPG  Emergency Response Planning Guideline
GHS  Global Harmonized System
HMIS  Hazardous Materials Information System
IARC  International Agency for Research On Cancer
IATA  International Air Transport Association
IMDG  International Maritime Dangerous Goods
Koc  Soil Organic Carbon
LC50  Lethal concentration 50%
LD50  Lethal dose 50%
MSHA  Mine Safety and Health Administration
NFPA  National Fire Protection Association
NIOSH  National Institute of Occupational Safety and Health
NOIC  Notice of Intended Change

Disclaimer of Expressed and Implied Warranties

Information presented herein has been compiled from sources considered to be dependable, and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written contract of sale or acknowledgment.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in their use of the material.

** End of Safety Data Sheet **