

SAFETY DATA SHEET



Date Issued : 07/07/2000
 MSDS No : 210080
 Date-Revised : 12/19/2017
 Revision No : 10

Kerosene

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Kerosene
PRODUCT DESCRIPTION: Kerosene
PRODUCT CODE: 210080
PRODUCT FORMULATION NAME: Kerosene
CHEMICAL FAMILY: Aliphatic Petroleum Hydrocarbons
ACTIVE INGREDIENT(S): HYDROTREATED C9-C16 PETROLEUM DISTILLATE

DISTRIBUTOR

AMERICHEM SALES COMPANY LLC
 340 NORTH ST.
 MASON, MI 48854
Emergency Phone: 517-676-9363

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
CANUTEC (613) 996-6666

COMMENTS: To the best of our knowledge, this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act.

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Aspiration Hazard, Category 1
 Carcinogenicity, Category 2
 Target Organ Toxicity (Single exposure), Category 3
 Skin corrosion/irritation, Category 2

Environmental:

Aquatic Toxicity (Chronic), Category 2
 Aquatic Toxicity (Acute), Category 2

Physical:

Flammable Liquids, Category 3

GHS LABEL



Exclamation mark



Flame



Health hazard



Environment

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H226: Flammable liquid and vapour.
 H304: May be fatal if swallowed and enters airways.
 H315: Causes skin irritation.
 H336: May cause drowsiness or dizziness.
 H335: May cause respiratory irritation.
 H351: Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
 H401: Toxic to aquatic life.

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Precautionary statement(s)

Prevention:

- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P273: Avoid release to the environment.
- P202: Do not handle until all safety precautions have been read and understood.
- P240: Ground and bond container and receiving equipment.
- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233: Keep container tightly closed.
- P201: Obtain special instructions before use.
- P243: Take action to prevent static discharges.
- P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.
- P242: Use non-sparking tools.
- P271: Use only outdoors or in a well-ventilated area.
- P264: Wash ... thoroughly after handling.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- P312: Call a POISON CENTER/doctor/...if you feel unwell.
- P391: Collect spillage.
- P331: Do NOT induce vomiting.
- P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
- P308+P313: IF exposed or concerned: Get medical advice/ attention.
- P370+P378: In case of fire: Use the appropriate method to extinguish.
- P363: Wash contaminated clothing before reuse.

Storage:

- P403+P235: Store in a well-ventilated place. Keep cool.
- P405: Store locked up.

Disposal:

- P501: Dispose of contents/container in accordance with local regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, Colorless liquid.

IMMEDIATE CONCERNS: CAUTION! May cause eye and skin irritation.

POTENTIAL HEALTH EFFECTS

EYES: May cause moderate burning, tearing, redness and swelling.

SKIN: Moderate irritation and discomfort. Defatting of skin and redness are possible. Toxic systemic effects from absorption are expected to be minor.

INGESTION: Gastrointestinal tract irritation and/or discomfort is possible.

INHALATION: Moderate respiratory discomfort and/or headaches. Toxic systemic effects from inhalation are expected to be minor.

ROUTES OF ENTRY: Absorption, Inhalation, Ingestion

COMMENTS: Hazards Not Otherwise Classified (HNOC): None as defined under 29 CFR 1910.1200.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
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HYDROTREATED C9-C16 PETROLEUM DISTILLATE	97.4 - 99.7	8008-20-6
Napthalene	0.3 - 2.6	91-20-3

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.

SKIN: Wash exposed area with mild soap and water. Get medical attention if irritation develops or persists.

INGESTION: Do not induce vomiting. Danger from aspirating into lungs exceeds short term toxic effects. Get immediate medical help.

INHALATION: Fresh air should alleviate any respiratory discomfort. If breathing difficulties develop or persist, get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use dry chemical, foam, or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and noxious fumes.

EXPLOSION HAZARDS: Vapor accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, ect., away from these fumes.

FIRE FIGHTING PROCEDURES: Proper respiratory equipment to protect against the hazardous effects of combustion products is recommended. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide if burned with insufficient air.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Extinguish possible sources of ignition. Evacuate all unprotected personnel and ventilate area. Only personnel equipped with proper respiratory, skin/eye protection should enter spill area. Dike area to contain spill and clean up by absorbing on an inert absorbant or other means. Don't flush into sewers or natural waterways.

LARGE SPILL: Contain material as described above and call the local fire or police department for immediate emergency assistance.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Do not store with Oxidizing agents.

HANDLING: Store in a cool, dry, ventilated area away from excessive heat, sparks and open flames. Avoid prolonged or repeated contact with skin and/or breathing of vapors when handling. Keep containers closed when not in use.

STORAGE: Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.

STORAGE TEMPERATURE: SHOULD BE STORED IN A COOL DRY PLACE.

STORAGE PRESSURE: AMBIENT

SHELF LIFE: THE SHELF LIFE OF THIS PRODUCT IS UNDETERMINED, BUT MAY BECOME SUSPECT ONE YEAR FROM THE DATE OF PURCHASE.

ELECTROSTATIC ACCUMULATION HAZARD: When transferring this product, there is potential for the accumulation of static electricity. Consideration should be given to bonding and grounding of equipment during loading, unloading, and transfer of this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Air contaminant levels should be controlled below the PEL or TLV for this product. Mechanical

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ventilation may be necessary if working with this product in enclosed areas and at elevated temperatures.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: To prevent any contact, wear impervious protective clothing such as nitrile or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Use NIOSH/MSHA approved respirators when vapors or mist concentrations exceed permissible exposure limits.

PROTECTIVE CLOTHING: Chemical resistant boots, apron, etc. as necessary to prevent contamination of clothing and skin contact.

WORK HYGIENIC PRACTICES: Good personal hygiene practices should always be followed.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild Hydrocarbon Odor

APPEARANCE: Clear

COLOR: Colorless

pH: Not Available

PERCENT VOLATILE: 100

FLASHPOINT AND METHOD: (120°F) to (190°F) ASTM D56

FLAMMABLE LIMITS: 0.7 to 5.0

AUTOIGNITION TEMPERATURE: (489°F)

VAPOR PRESSURE: 1 mmHg at 20°C (68°F)

VAPOR DENSITY: 4.5 (Air=1)

BOILING POINT: ~ (360°F) to (550°F) ASTM D-2887

FREEZING POINT: Not Available

MELTING POINT: Not Available

SOLUBILITY IN WATER: Negligible

EVAPORATION RATE: ~ .02 (n-Butyl Acetate=1)

SPECIFIC GRAVITY: 0.81 at (60°F)

VISCOSITY #1: ~ 1.6 Centistokes at (100°F) ASTM D-445

10. STABILITY AND REACTIVITY

REACTIVITY: No

HAZARDOUS POLYMERIZATION: Will not occur

STABILITY: Stable

CONDITIONS TO AVOID: Exposure to excessive heat, open flames and sparks. Avoid conditions that favor the formation of excessive mists and/or fumes.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon when burned.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

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ACUTE TOXICITY

DERMAL LD₅₀: > 2000 mg/kg (rabbit)

ORAL LD₅₀: > 5000 mg/kg (rat)

INHALATION LC₅₀: > 5.28 mg/l (rat, 4 hour)

CARCINOGENICITY

IARC: Monograph 82[2002] (Group 2B(possibly carcinogenic to humans))

NTP: Reasonably Anticipated To Be A Human Carcinogen(Possible Select Carcinogen)

REPRODUCTIVE TOXICITY: None known.

STOT-SINGLE EXPOSURE: None known.

STOT-REPEATED EXPOSURE: None known.

GENERAL COMMENTS: Lifetime skin painting studies in animals with similar distillate fuels have produced weak to moderate carcinogenic activity following prolonged and repeated exposure. Similar middle distillates, when tested at nonirritating dose levels, did not show any significant carcinogenic activity indication that this tumorigenic response is likely related to chronic irritation and not to dose. Repeated dermal application has produced severe irritation and systemic toxicity in subacute toxicity studies. Some components of distillate fuels, I.E., paraffins and olefins, have been shown to produce a species specific, sex hormonal dependent kidney lesion in male rats from repeated oral or inhalation exposure. Subsequent research has shown that the kidney damage develops via the formation of ALPHA-2U-Globulin, a mechanism unique to the male rat. Humans do not form ALPHA-2U-Globulin, therefore, the kidney effects resulting from this mechanism are not relevant in humans.

COMMENTS: 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, severe lung damage, respiratory failure or even death.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: KEEP OUT OF SURFACE WATERS, SEWERS, AND WATERWAYS ENTERING OR LEADING TO SURFACE WATERS. NOTIFY AUTHORITIES IF ANY EXPOSURE TO THE GENERAL PUBLIC OR ENVIRONMENT OCCURS OR IS LIKELY TO OCCUR.

AQUATIC TOXICITY (ACUTE)

96-HOUR LC₅₀: 5.74 Fish,96h, mg/l

48-HOUR EC₅₀: 1.96 mg/l Daphnia magna

GENERAL COMMENTS: Liquid can be toxic to aquatic life and cause fouling of the shoreline at high concentrations. The aquatic 24 hour TLM is 2,990 ppm in freshwater bluegill fish. However, kerosene and fuel oils do not bioconcentrate in the food chain. If product is released to soil or water, it is expected to biodegrade under both aerobic and anaerobic conditions.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. Use approved treatment, transporters and disposal sites.

FOR LARGE SPILLS: Contain material and call local authorities for emergency assistance. In consultation with the appropriate authorities, determine the disposal method.

PRODUCT DISPOSAL: Dispose of at a supervised incineration facility or an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal.

EMPTY CONTAINER: Keep containers closed when not in use. Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

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PROPER SHIPPING NAME: Kerosene
PRIMARY HAZARD CLASS/DIVISION: 3
UN/NA NUMBER: 1223
PACKING GROUP: III
LABEL: Class 3, Combustible Liquid

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: None known to be present at 1% or more by weight (0.1% for Carcinogens)

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Napthalene	0.3 - 2.6	91-20-3

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: None

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Napthalene	0.3 - 2.6	100

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS	TSCA SECTION
HYDROTREATED C9-C16 PETROLEUM DISTILLATE	8008-20-6	12b,
Napthalene	91-20-3	

TSCA REGULATORY: This material or its components are listed in the TSCA inventory.

TSCA STATUS: Listed

CANADA

DOMESTIC SUBSTANCE LIST (INVENTORY): All components are listed on the current DSL Inventory.

16. OTHER INFORMATION

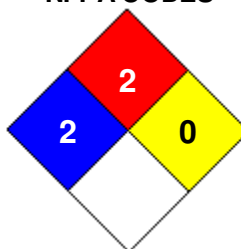
Date-Revised: 12/19/2017

REVISION SUMMARY: This MSDS replaces the 04/20/2015 MSDS.

HMIS RATING

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		C

NFPA CODES



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ADDITIONAL MSDS INFORMATION: Caution! An NFPA/OSHA Class II Combustible Liquid. An acute overexposure to vapors or mists from this product may cause headaches, dizziness, nausea, and fatigue. Prolonged or repeated skin contact can defat the skin and cause dermatitis. Avoid breathing vapors and contact with eyes or skin.

MANUFACTURER DISCLAIMER: The information in this SDS was obtained from sources which we believe are reliable. However, the above information is provided without warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.