

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Kerosene

KE200-00

SECTION 01: PRODUCT INFORMATION AND COMPANY INFORMATION

MANUFACTURER: Same as above
PREPARED BY: Production Department
VERSION DATE: 05-Mar-14
TELEPHONE NO.: (519) 451-1614
EMERGENCY PHONE NO.: (613) 996-6666
CHEMICAL FAMILY: Not Available **CHEMICAL FORMULA:** Not Applicable
MOLECULAR WEIGHT: Not Applicable **MATERIAL USE:** Please Refer to technical literature
SYNONYMS:

SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Ingredients | Conc. Approx. % | C.A.S. # | LD/50 (RTE/SPEC) | LC/50 (RTE/SPEC) | TLV |
|--|-----------------|------------|------------------|------------------|-------|
| Kerosine (petroleum),Hydrodesulfurized | 98-100 | 64742-81-0 | Rat >5000 mg/kg | N.Av. | N.Av. |

SECTION 03: HAZARD IDENTIFICATION

ROUTE OF ENTRY

Eyes: Vapours are moderately irritating to the eyes.
Skin: Causes mild skin irritation.
Inhalation: Vapours are moderately irritating to the respiratory passages. The liquid when accidentally aspirated into the lungs can cause a severe inflammation of the lung.
Ingestion: Causes vomiting, nausea, and diarrhea.

SECTION 04: FIRSTAID

Skin Contact: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Eye Contact: Flush eyes with gently flowing water for at least 15 minutes or until the chemical is removed, while holding the eyelid(s) open. Take care not to rinse the contaminated water into the unaffected eye or face. Seek immediate medical attention.

Inhalation, Acute: If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. In situations where administering oxygen is appropriate, first aiders must be trained in the safe use and handling of oxygen. It is preferable to administer oxygen under a doctor's supervision or advice. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately. Immediate medical assistance is required.

Ingestion: Seek immediate medical attention. Do NOT induce vomiting. Never give anything by mouth to an

unconscious or convulsing person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Administer artificial respiration if breathing has stopped. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately.

Notes to physician: The main hazard following accidental ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. If more than 2.0 mL/kg has been ingested, vomiting should be induced with supervision. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before vomiting, gastric lavage with a cuffed endotracheal tube should be considered.

SECTION 05: FIRE EXPLOSION HAZARD AND FIRE FIGHTING MEASURES

| | |
|---|--|
| FLAMMABLE? | No |
| IF YES, UNDER WHICH CONDITIONS? | |
| FLASH POINT (TCC) (C): | >38 °C |
| FLAMMABLE LIMITS: | LEL(% BY VOL.): 1 UEL(% BY VOL): 6 |
| AUTO IGNITION TEMPERATURE (C) | 229 °C |
| EXTINGUISHING MEDIA | Use DRY chemicals, CO2, alcohol foam or water spray. |
| SPECIAL PROCEDURES: | Fire fighters should wear full protective clothing, including self-contained breathing equipment. |
| HAZARDOUS COMBUSTION PRODUCTS: | Not Available |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | Combustible liquid. Isolate and restrict area access. Stop leak only if safe to do so. Move containers from fire area if you can do it without risk. Fight fire from a safe distance and from a protected location. Use flooding quantities of water for fire and water spray or fog for vapours. Containers exposed to intense heat from fires should be cooled with water to prevent vapour pressure build-up which could result in container rupture. This material may produce a floating fire hazard in extreme fire conditions. This product can produce flammable vapors which may travel to a source of ignition and flash back. |
| SENSITIVITY TO STATIC DISCHARGE | Not Available |
| SENSITIVITY TO MECHANICAL IMPACT: | Not Available |

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Personal Precautionary Measures: Wear appropriate protective equipment.
Environmental Precautionary Measures: Prevent entry into sewers or streams, dike if needed.
Procedure for Clean Up: Combustible. Isolate hazard area and restrict access. Stop leak only if safe to do so. Remove ignition sources and work with non-sparking tools. Small spills: soak up with absorbent material and scoop into containers.
Large spills prevent contamination of waterways. Dike and pump into suitable containers.
Clean up residual with absorbent material, place in appropriate container and flush with water.

SECTION 07: HANDLING AND STORAGE

Handling Procedures and Storage Requirements

Handling: Combustible! For industrial use only. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. DO NOT handle or store near an open flame, heat, or other sources of ignition. Fixed equipment as well as transfer containers and equipment should be grounded to prevent accumulation of static charge. DO NOT pressurize, cut, heat, or weld containers. Empty containers may contain hazardous product residues. Keep the containers closed when not in use. Launder contaminated clothing prior to reuse. Protect against physical damage. Use appropriate personnel protective equipment. Wash thoroughly after handling.
Storage: Store in a cool, dry, well ventilated area, away from heat and ignition sources. Store in accordance with good industrial practices. Place away from incompatible material

SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS

| | |
|----------------------------|--|
| GLOVES/TYPE: | Impervious gloves. |
| RESPIRATOR/TYPE: | If exposure exceeds occupational exposure limits, use an appropriate NIOSH-approved respirator. For high airborne concentrations, use a NIOSH -approved supplied-air respirator, either self-contained or airline breathing apparatus, operated in positive pressure mode. |
| EYE/TYPE: | Chemical goggles; also wear a face shield if splashing hazard exists |
| OTHER/TYPE: | Ensure that eyewash stations and safety showers are proximal to the work-station location. |
| ENGINEERING CONTROL | Local exhaust ventilation as necessary to maintain exposures to within applicable limits. Provide mechanical ventilation in confined spaces. |

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE/APPEARANCE: Liquid

| | | | |
|---------------------------------------|------------------|--------------------------------|--------|
| ODOUR: | Strong Petroleum | ODOUR THRESHOLD: | ~3ppm |
| VAPOUR PRESSURE (mm Hg @ 20C): | <0.2 kPa | VAPOUR DENSITY (Air=1): | 4.5 |
| EVAPORATION RATE (Ether = 1): | N. Av. | SPECIFIC GRAVITY: | 0.82 |
| BOILING POINT (C): | 163-204 | FREEZING POINT (C) | -54 |
| Ph (% SOLUTION): | N. Av. | % VOLATILE (WT): | N. Av. |
| SOLUBILITY IN WATER (% W/W) | Nil | | |

SECTION 10: STABILITY AND REACTIVITY

CHEMICALLY STABLE? Stable

IF NO, UNDER WHICH CONDITIONS?

INCOMPATIBILITY WITH OTHER SUBSTANCES Yes

IF YES, WITH WHICH ONES: Strong oxidizing agents. Acids.

SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS

HAZARDOUS DECOMPOSITION PRODUCTS: Smoke. Carbon dioxide. Carbon monoxide. Oxides of sulfur. Oxides of nitrogen

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL See Sec 2

LC 50 OF MATERIAL, SPECIES AND ROUTE

LD 50 OF MATERIAL, SPECIES AND ROUTE See Sec 2

CARCINOGENICITY OF MATERIAL

REPRODUCTIVE EFFECTS:

IRRITANCY OF MATERIAL

SENSITIZING CAPABILITY OF MATERIAL

SYNERGISTIC MATERIALS

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams or public waterways. Block off drains and ditches. Spill areas must be cleaned and restored to original condition or to the satisfaction of authorities. May be harmful to aquatic life. Not readily biodegradable. Potential for significant bioconcentration and bioaccumulation.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Disposal of Waste Method: Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.
Contaminated Packaging: Empty containers should be recycled or disposed of through an approved waste management facility.

SECTION 14: TRANSPORT INFORMATION

TDG CLASSIFICATION Class , Kerosene

UN NUMBER:

PACKING GROUP:

Special Provisions for Transport

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION B3, D2B

B3 COMBUSTIBLE LIQUIDS
D2B TOXIC MATERIALS

SECTION 16: OTHER INFORMATION

ABBREVIATIONS USED: N.Av. = Not Available
N.App. / N.Ap. = Not Applicable

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SOURCES:

Supplier MSDS

For updated copies of an MSDS, please contact Anchem Sales at the address/phone number on Page 1 or fax the MSDS Co-ordinator at (519) 451-4593.

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