

Material Safety Data Sheet

Issue Date June 2005

ISSUED by Atlantic Lubricants Pty Ltd

Product Name: **KEROSENE**

Classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

Company Name Address Atlantic Lubricants Pty Ltd (ABN 67 088 335 059)
Unit 2 58 Stennett Road
Ingleburn NSW 2565

Emergency Telephone (02) 9829 7555

Telephone Number/Fax Tel: (02) 9829 7555 Fax: (02) 9829 4555

Other Information Atlantic Technical Officer: Con Zikos (02) 9829 755 Mobile: 0425 366 367

IDENTIFICATION

Product Name KEROSENE
Proper Shipping Name KEROSENE
Other Names Not Available
UN Number 1223
DG Class 3
Packing Group III
Hazchem Code 3[Y]
Poisons Schedule Not Scheduled
Product Use Refinery stream by product, fuel.

PHYSICAL DATA

Appearance Clear, blue or green coloured liquid with hydrocarbon odour.
Boiling Point 145-300°C
Vapour Pressure< 7 mmHg @25°C
Specific Gravity 0.785-0.800
Flash Point 38-44°C (Abel)
Flamm. Limit
LEL 0.58%
Flamm. Limit
UEL 4.45%
Solubility in Water Insoluble

OTHER PROPERTIES

Volatile Component Not available
Autoignition Temp. 350°C
Vapour Density Not available
pH Value Not Applicable
Viscosity 1.2cSt @40°C
Formula Mixture.

INGREDIENTS

| Ingredients Name | CAS | Proportion |
|------------------------|-----------|------------|
| Kerosene, Straight Run | 8008-20-6 | 100 % |

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

| | |
|-------------------------------------|---|
| Acute - Swallowed | If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur. Ingestion of this product and subsequent vomiting can result in aspiration of the liquid into the lungs, causing chemical pneumonia and lung damage. |
| Acute - Eye Acute - Skin | Causes eye irritation. Irritating to the skin with discomfort or pain, redness, and swelling. See TOXICITY DATA for additional information. |
| Acute - Inhaled | Hydrocarbon concentrations above permissible levels may cause headache, nausea and vomiting. |
| Chronic | Prolonged or repeated skin contact will lead to severe irritation and possible dermatitis. |

FIRST AID

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|---------------------------------|---|
| Swallowed | Do not induce vomiting. Aspiration of the fluid can cause serious lung injury such as chemical pneumonia. Call a doctor immediately. |
| Eye | Flush eyes immediately with fresh water for several minutes while holding the eyelids open. See a doctor. |
| Skin | Remove and launder contaminated clothing. Wash skin thoroughly with soap and water. See a doctor if any signs or symptoms described in this MSDS occur. Discard contaminated non-waterproof shoes and boots. |
| Inhaled | Move exposed person to fresh air. If breathing has stopped, apply artificial respiration. Call a doctor immediately. See section on Respiratory Protection. DO NOT ATTEMPT RESCUE WITHOUT ADEQUATE RESPIRATORY PROTECTION. |
| First Aid Facilities | Eye wash fountain, safety shower and normal wash room facilities. |

ADVICE TO DOCTOR

| | |
|-------------------------|---|
| Advice to Doctor | This product may present an aspiration hazard. See related comments in this MSDS. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours. |
|-------------------------|---|

OTHER HEALTH HAZARD INFORMATION

PRECAUTIONS FOR USE

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|--|--|
| Other Health Hazard Information | Worksafe Australia has not assigned an exposure standard for this product, however, Caltex Australia recommends an Occupational Exposure Limit (OEL) of 100 ppm based upon hydrocarbon composition. |
| Eng. Controls | Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard(s). Local exhaust ventilation and/or enclosure of the process is preferred in these cases. |

**PERSONAL
PROTECTION**

Protective Equip.

EYES: Chemical type goggles or face shield appropriate where splash or misting is expected during routine operations or spill clean-up.
SKIN: Avoid contact with skin or clothing. Skin contact can be minimised by wearing impervious protective clothing including gloves. Protective clothing made from neoprene, nitrile, or n-butyl rubber is suitable in these applications.
Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly.
INHALATION: If operating conditions result in airborne mists or vapours, the use of an approved respirator is recommended.

FLAMMABILITY

Fire Hazards

Flammable liquid. Avoid all sources of ignition, heat and naked flames.

**SAFE HANDLING
INFORMATION**

Storage and Transport

Storage Precautions

Keep away from heat, sparks, and flame. Handle and store in well-ventilated area and in accordance with local regulations regarding combustible liquids.

Transport

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.
Class 3 - Flammable Liquids are incompatible in a placard load with any placard load with any of the following:
- Class 1, Explosives
- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gases
- Class 4.2 Spontaneously Combustible Substances
- Class 5.1 Oxidising Agents and Class 5.2, Organic Peroxides
- Class 6 Toxic Substances (where the flammable liquid is nitromethane)
- Class 7 Radioactive Substances.

**Other Storage
Info.**

EMERGENCY OVERVIEW:
WARNING STATEMENT:
WARNING: HARMFUL OR FATAL IF INHALED.
GAS MAY ACCUMULATE IN CONFINED SPACES.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE EYE AND RESPIRATORY IRRITATION.
LOW VISCOSITY PETROLEUM MIXTURE CAN CAUSE LUNG INJURY.
CAUTION: Flammable.

Proper Shipping

| | |
|-----------------------------|----------|
| Name | KEROSENE |
| EPG Number | 3A1 |
| IERG Number | 15 |
| Packaging Method | 5.9.3RT1 |

SPILLS & DISPOSAL

PROCEDURES IN CASE OF BREAKAGE OR LEAKAGE:
Eliminate all ignition sources including internal combustion engines and power tools. Ventilate area. Keep people away. Stay upwind and warn of possible downwind explosion hazard. Avoid breathing vapours and eye or skin contact. Use respirator and protective clothing as discussed in this MSDS. Use supplied-air respirator for large releases in confined area. Contain spill if possible. Remove with inert absorbent. Prevent entry into sewers and waterways.
WASTE DISPOSAL METHOD:

It is the responsibility of the user of products to determine, at the time disposal, whether product meets criteria for hazardous waste. Product uses, transformations, mixture and processes, may render the resulting material hazardous.

REMARKS:

Do not allow to enter drains or sewers. Can cause explosion.

FIRE EXPLOSION HAZARD

Fire/Explos. Hazard

RECOMMENDED FIRE EXTINGUISHING AGENTS AND SPECIAL PROCEDURES:

Use water spray, dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water to disperse the vapours and to provide protection for the persons attempting to stop the leak.

UNUSUAL OR EXPLOSIVE HAZARDS:

Full body flame-resistant clothing and/or turn-out gear recommended for persons attempting leak or spill control and for fire fighting.

Hydrogen sulfide (H₂S) may be released when heated.

Hazardous Reaction

HAZARDOUS POLYMERISATIONS: Do not occur.

MATERIAL REACTS VIOLENTLY WITH: Strong oxidisers.

PRODUCTS EVOLVED WHEN SUBJECTED TO HEAT OR COMBUSTION:

Carbon monoxide, carbon dioxide, and aldehydes and ketones may be formed.

Hazchem Code

Hydrogen sulfide may also be released.

3[Y]

OTHER INFORMATION

Toxicology

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, hydrocracking and hydrotreating. These oils have not been listed in the U.S. National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as carcinogenic or probably carcinogenic to humans.

Environ. Protection

This material must not be allowed to enter drains, sewers or waterways for further information please refer to the SPILLS AND DISPOSAL section of this MSDS.

Risk Statement

R65 Harmful: may cause lung damage if swallowed.

R36/38 Irritating to eyes and skin.

Safety Statement

S2 Keep out of reach of children.

S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Hazard Category

Harmful, Irritant

References

REGULATIONS SPECIFICALLY APPLICABLE TO THE CHEMICAL PRODUCT:

COMMONWEALTH OF AUSTRALIA: Respirators must follow AS1715/1716 standard for approved respirators.

NEW ZEALAND: Respirators must follow NZS 1715/1716 standard for approved respirators.

INTERNATIONAL (ALL COUNTRIES): In the absence of local approved authorities, follow U.S. NIOSH/MSHA, U.K. BSI, Australian AS1715/1716, or New Zealand NZS 1715/1716 standards.

AUSTRALIA POISON SCHEDULE: Not applicable.

Empirical Formula & Structural Formula

NZ DANGEROUS GOODS CLASS: Not applicable.

Mixture.

CONTACT POINT

Contact

CHEMICAL EMERGENCIES: (02) 9829 7555

TECHNICAL ADVICE: (02) 9829 7555

PLEASE NOTE that although every care has been taken in compiling the above information, it is solely reliant upon data available to us at the date hereof. We believe the data to be correct, however for the reason just stated we are not in a position to warrant its accuracy. With that in mind and given that the full range of possibilities and conditions under which the information may be applied simply cannot be anticipated, YOU ARE CAUTIONED to make your own determinations as to the veracity and the suitability of the information to the particular circumstances that apply, or may apply, to you from time to time. Consistent with that approach it is recommended that where you have a particular purpose which would necessitate a reliance on information of the nature herein you obtain your own independent expert advice particularly structured to the relevant purpose. If this material is printed, circulated, distributed or copied in any manner, it is not to be modified without prior written permission.

End of MSDS