

Material Safety Data Sheet

Product Name: Kerosene

Issued by: Aegis Oil Ltd

1. Product Information.

Product: Kerosene

Supplier: Aegis Oil Ltd

495 Hauraki Road Turua Thames NZ

Ph (07) 8675321

2. Product Composition

Generic Composition: Petroleum Hydrocarbons

Ingredients Considered Hazardous to Health:

This product is considered hazardous according to regulatory guidelines.

3. Hazard Identification

Potential Health Effects: Skin irritation.

Respiratory irritation, dizziness, nausea, loss of consciousness. Low viscosity material is swallowed may enter the lungs and cause lung damage. Potential Environmental Effects:

harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. First Aid

Eye Contact: Flush thoroughly with water. If irritation persists call a doctor.

Skin Contact: Wash affected contact areas with water.

Inhalation: Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with bag-valve-mask device or use mouth-to-mouth resuscitation.

Ingestion: Seek immediate medical attention. Do not induce vomiting. NOTE TO PHYSICIANS: Material if aspirated into the lungs may cause chemical pneumonitis. Treat appropriately.

5. Fire Fighting Measures

Extinguishing Media: Foam, Dry Chemicals, CO₂ and water fog.

Special Procedures: Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapours and to protect personnel attempting to stop leak. Water spray may be used to flush spills away from exposures. Prevent runoff from fire control or dilution from entering waterways, sewers or drinking water supply.

Special Protective Equipment: For fires in enclosed areas, Firefighters must use self-contained breathing apparatus.

Unusual Fire & Explosion Hazards: None.

Flash Point C (F): 44 (111) (IP 170/70)

Flammable limits (approx. % vol in air)

LELNE,UEL: NE

Hazard ID: Health: 0, Flammability: 2,

Reactivity: 0

Combustion Products: Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

6. Accidental Release Measures

Notification Procedures: Report spills as required to appropriate authorities such as the local Environment Health Officer or Fire Brigade. If spills are likely to enter any drain, waterway or groundwater, contact the Area Water Authority. In case of accident or road spill, contact the Police & Fire Brigade and if appropriate, the Area Water Authority.

Procedure if material is released or spilled:

Contain and absorb on suitable chemical absorbent material, etc. Shovel up and dispose of at an appropriate licensed waste disposal site in accordance with current laws and regulations and product characteristics at time of disposal.

Environmental Precautions: Prevent spills from entering storm sewers or drains and contact with soil.

7. Handling and Storage

Handling: Avoid contact with skin.

Storage: Store in cool area. See section 15 for regulatory information when storing this product.

Special Precautions: To prevent and minimize fire or explosion risk from static accumulations and discharge, effectively bond and/or ground product transfer system. Do not use electronic devices (including but not limited to cellular phones, computers, calculators, pagers etc.) in or around any fuelling operation or storage area unless the devices are certified intrinsically safe by an approved national testing agency and to the safety standards required by national and or local laws and regulations. Electrical equipment and fittings must comply with local fire prevention regulations for this class of product. Use the correct grounding procedures. Refer to national or local regulations covering safety at petroleum handling and storage areas for this product.

Empty Container Warning: Empty containers retain residue (liquid and/or vapour) and can be dangerous. DO NOT PRESSURIZE, CUT WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION, THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. Exposure Control

Ventilation: Use in well ventilated area.

Ventilation desirable and equipment should be explosion proof.

Respiratory Protection: no special requirements under ordinary conditions of use and with adequate ventilation.

Eye Protection: If splash with liquid possible, chemical type goggles should be worn.

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Skin Protection: Impervious gloves should be worn.

9. Physical and Chemical Properties

Typical physical properties are given below:

Physical state: Clear to White Liquid

Odour: Hydrocarbon

Odour Threshold (ppm): NE

pH: NA

Boiling Point C (F): 146 (295)

Melting Point C (F): NA

Flash Point C (F) 44 (111) (IP 170/70)

Flammability: NE

Auto Flammability C (F): NE

Explosive Properties: NA

Oxidizing Properties: NA

Vapour Pressure-mm Hg 20C:0.1

Vapour Density: NE

Evaporation Rate: NE

Relative Density, 15/4 c: 0.796

Solubility in Water: Negligible

Partition Coefficient: NE

Viscosity at 40 C, cSt: <1.0

Viscosity at 100 C, cSt: NE

Pour Point c: -32 (-25)

Freezing Point: C (F): NE

DMSO Extract, IP-346 (WT.%):NA

NA=Not Applicable NE=Not Established,

D=Decomposes

Disclaimer:

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10. Stability and Reactivity

Stability (Thermal, Light, etc.): Stable.

Conditions to avoid: Heat, sparks, flame and build up of static electricity.

Incompatibility (Materials to Avoid):

Halogens, strong acids, alkalis and oxidizers.

Hazardous Decomposition Products: Product does not decompose at ambient temperatures.

Hazardous Polymerisation: will not occur.

11. Disposal Considerations

Waste Disposal: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited by local authority. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate licensed waste disposal site. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

12. Transportation Information

Shipping Name: Kerosene

UN Number: 1223

HAZCHEM Code: 3(Y)

Dangerous Goods Class/Subsidiary Risk: 3

Packing Group: PGIII

Labels: Flammable Liquid

AS 1940 Class: PGIII

Poisons Schedule: S5