

Infosafe No™ VARAK Issue Date : October 2016 ISSUED by HUNTERST

Product Name **KEROSENE**

1. Identification

GHS Product Identifier KEROSENE

Company Name Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)

Address 60 Gleadow Street INVERMAY
TAS 7248 Australia

Telephone/Fax Number Tel: 03 6331 4755
Fax: 03 6334 1065

Emergency phone number 0407 610 542

Recommended use of the chemical and restrictions on use Heating fuel, Solvent, Degreasing, Fuel Oil.

2. Hazard Identification

GHS classification of the substance/mixture Aspiration Hazard: Category 1
Flammable Liquids: Category 3
Hazardous to the Aquatic Environment - Acute Hazard: Category 2
Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2

Signal Word (s) DANGER

Hazard Statement (s) H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statement – General P102 Keep out of reach of children.
P103 Read label before use.

Pictogram (s) Flame, Health hazard, Environment



Precautionary statement – Prevention P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P243 Take precautionary measures against static discharge.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P331 Do NOT induce vomiting.
P370+P378 In case of fire: Use foam, water spray or fog for extinction.
P391 Collect spillage.

Precautionary statement – Storage P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Precautionary statement – Disposal P501 Dispose of contents/container in accordance with local regulations.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Kerosene	8008-20-6	100%

4. First-aid measures

Inhalation Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

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Ingestion	If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.
Eye contact	If in eyes, hold eyes open, flood with water for at least 15 minutes. If irritation persists seek medical attention.
First Aid Facilities	Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.
Advice to Doctor	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Foam, water spray or fog. Dry chemical powder or carbon dioxide for small fires only. Do not use water in a jet.
Hazards from Combustion Products	Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible.
Specific hazards arising from the chemical	Flammable liquid, flash point 40 °C. Vapour/air mixture may be flammable. Vapour heavier than air, risk of remote ignition. Spray/mist will be more flammable than the liquid. Contact with strong oxidising agents may cause fire.
Hazchem Code	3[Y]

6. Accidental release measures

Emergency Procedures	Contain. Shut off all sources of ignition. Increase ventilation.
Methods and materials for containment and cleaning up	For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.
Spills & Disposal	Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

7. Handling and storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid breathing vapours. Keep away from naked flames and other sources of ignition.
Conditions for safe storage, including any incompatibilities	Avoid contact with skin, eyes and clothing. Avoid breathing vapours. Wash thoroughly after handling. Handle and open container with care in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near aerosols, flammables, strong oxidants and corrosives.
Product Transfer	Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. Remove any ignition sources and avoid sparks and any other sources of heat.

8. Exposure controls/personal protection

Exposure Controls, Personal Protection	In the absence of occupational exposure standards for this product, it is recommended that the following be adopted: Mineral Spirits 150-200, HSPA 350mg/m ³ TWA (8hr).
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Appropriate engineering controls	Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.
Respiratory Protection	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65 Deg C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
Eye Protection	Wear safety goggles.
Hand Protection	Use solvent resistant gloves (nitrile for longer term protection or PVC and neoprene for incidental splashes).
Personal Protective Equipment	Avoid contact with the skin and eyes. Avoid breathing the vapour or spray/mist. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Normal Use: Eye/face protection Gloves, rubber or plastic. Industrial Quantities: Face shield or safety glasses Gloves, rubber or plastic Plastic apron, sleeves and boots Impervious overalls. Always maintain a high level of personal hygiene when using this product. That is wash hands before eating, drinking, smoking or using the toilet.
Body Protection	Use chemical resistant glove/gauntlets, boots and apron. Skin protection not ordinarily required beyond standard issue work clothes.

9. Physical and chemical properties

Form	Liquid
Appearance	Colourless clear liquid
Odour	Characteristic aromatic smell of kerosene.
Melting Point	Data not available
Boiling Point	Typical 145 - 300
Solubility in Water	Not miscible with water
Specific Gravity	0.8
pH	N/A
Vapour Pressure	Typical 0.3 kPa
Vapour Density (Air=1)	4.35 @ 15 Deg C
Flash Point	38 (Abel)
Flammability	Flammable liquid.
Auto-Ignition Temperature	Data not available

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition is highly dependant on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

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11. Toxicological Information

Acute Toxicity - Oral LD50: Kerosene 15,000 mg/kg oral, rat.
2,835 mg/kg oral, rabbit.
LDLo: Kerosene 500 mg/kg oral, man.
TCLo: Kerosene 5.7 mg/kg oral, man - nausea, vomiting, cough, other changes to lungs, thorax or respiration.

Ingestion Expected to be of low toxicity: LD50>2000mg/kg, Rat. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

Inhalation Expected to be of low toxicity: LC50 greater than near-saturated vapour concentration / 4 hours, Rat. High concentrations may cause central nervous system depression. Continued inhalation may result in unconsciousness and/or death.

Skin Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.

Eye Mild irritant.

Chronic Effects Auditory system: prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss. Central nervous system: repeated exposure affects the nervous system.

12. Ecological information

Ecotoxicity Fish : Expected to be harmful: 10 < LC/EC/IC50 <= 100mg/l
Aquatic Invertebrates : Expected to be harmful: 10 < LC/EC/IC50 <= 100mg/l
Algae : Expected to be toxic: 1 < LC/EC/IC50 <= 10mg/l
Microorganisms : Expected to be harmful: 10 < LC/EC/IC50 <= 100mg/l

Persistence and degradability Readily biodegradable. Oxidises by photo-chemical reactions in air.

Mobility Floats on water.

Bioaccumulative Potential Has the potential to bioaccumulate.

Environmental Protection Avoid contaminating waterways, drains, sewers, or ground.

13. Disposal considerations

Waste Disposal Ensure waste disposal conforms to local waste disposal regulations.

Product Disposal High temperature incineration.
Avoid disposal to sewer, natural waters or the environment.

Special precautions for landfill or incineration Scrubbers for incineration exhaust.
Unsuitable for landfill.

14. Transport information

Transport Information Classified as a Class 3 Dangerous Good. Dangerous Goods of Class 3 Flammable Liquids, are incompatible in a placard load with any of the following: - Class 1, Class 2.1, if both the Class 3 and Class 2.1, dangerous goods are in bulk, Class 2.3, Class 4.2, Class 5, Class 6, if the Class 3 dangerous goods are nitromethane and Class 7.

U.N. Number 1223

UN proper shipping name KEROSENE

Transport hazard class(es) 3

Hazchem Code 3[Y]

Packing Group III

EPG Number 3A1

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IERG Number 15

15. Regulatory information

Poisons Schedule S5

AICS (Australia) All components listed.

16. Other Information

Date of preparation 11/10/2016

or last revision of

SDS

Literature Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice
References Standard for the Uniform Scheduling of Medicines and Poisons
Australian Code for the Transport of Dangerous Goods by Road & Rail
Globally Harmonised System of classification and labelling of chemicals

Signature of Technical Manager 0407 610 542

Preparer/Data

Service

Technical Contact

Numbers

Emergency Advice All Hours:
Technical Manager: 0407 610 542 Mon-Fri 8am - 6pm
Poisons Information Centre: 13 11 26 - 24hrs
Transport/Fire Emergency: 000 (Emergency services)

Other Information

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below.

...End Of MSDS...

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