

Risk Phrase(s)

R38 Irritating to skin.
R65 Harmful: may cause lung damage if swallowed.

**Safety
Phrase(s)**

S2 Keep out of reach of children.
S38 If insufficient ventilation, wear suitable respiratory equipment.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**3. COMPOSITION/INFORMATION ON
INGREDIENTS**

Information on Composition This substance contains a high flash point straight run kerosene and a mixture of additives.

Ingredients	Name	CAS	Proportion
	Kerosene	8008-20-6	90-100 %

4. FIRST AID MEASURES

Inhalation	Remove affected person from contaminated area and if irritation persists, seek medical advice. If not breathing apply artificial respiration and seek urgent medical advice.
Ingestion	Do NOT induce vomiting. Contact a Poisons Information Centre (Australia phone 131 126) or a doctor at once.
Skin	Remove contaminated clothing and wash skin thoroughly with soap and water. Ensure contaminated clothing is washed before re-use or discard. If irritation develops, seek medical attention.
Eye	Flood eyes with plenty of water, holding eyelid(s) open. If irritation develops and persists, seek medical attention.
First Aid Facilities	Eye wash station, safety showers and normal washroom facilities.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use foam, carbon dioxide or dry chemical to extinguish fire. Use water spray to cool storage tanks, pipelines and fire-exposed surfaces.
Hazards from Combustion Products	Combustion products include oxides of carbon.
Specific Hazards	Classified as a Class C1 (COMBUSTIBLE LIQUID). Keep away from naked flames, sparks and other sources of ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur.
Precautions in connection with Fire	Fire fighters should wear full protective clothing and self-contained breathing apparatus.
Unsuitable Extinguishing Media	Do not use water as a jet.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container for subsequent disposal. Dispose of waste according to the Environmental Protection Authority (EPA), federal, state and local regulations. If large quantities of this material enter the waterways contact the EPA, or your local Waste Management Authority.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	Use in a well ventilated area. DO NOT store or use in confined spaces. Build up of mists or vapours in the atmosphere must be prevented. Avoid breathing in spray or mists or vapours. Do not use near welding or other ignition sources and avoid sparks. Do not smoke. When dealing with large quantities, repeated or prolonged skin exposure without protection should be prevented in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high
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standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage Store in a cool, dry, well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all Local, State and Federal regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards No value assigned for this specific material by the Australian National Occupational Health and Safety Commission (NOHSC). As with all chemicals, exposure should be kept to lowest possible levels.

Biological Limit Values No Biological limit available.

Engineering Controls Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS 2430 - Explosive gas atmospheres for further information concerning ventilation requirements.

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Eye Protection Safety glasses with side shields or face shield as

appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances ie. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.

Hand Protection Impervious gloves recommended. Final choice of appropriate gloves will vary according to individual circumstances ie. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.

Body Protection Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Straw to amber coloured liquid.

Melting Point Not available

Boiling Point IBP: approx. 150 °C FBP: 285°C

Solubility in Water Insoluble

Specific Gravity 0.81 @ 15 °C

Vapour Density (Air=1) > 5

Flash Point > 61.5°C (Typically 65°C).

Flammability Combustible C1 liquid.

Auto-Ignition Temperature > 220 °C

Flammable Limits - Lower 1.00 %v/v

Flammable Limits - Upper 6.00 %v/v

Kinematic Viscosity Approximately 1.7 cSt @ 40°C

Other Information Corrosive to aluminium: No

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Oxides of carbon.
Hazardous Reactions	Hazardous reaction with strong oxidising agents.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicology data available for this product.
Inhalation	Vapours or mists generated in confined and/or poorly ventilated areas, may cause respiratory system irritation, headache, nausea and dizziness.
Ingestion	Harmful- May cause lung damage if swallowed. Liquid may be aspirated into lungs. May also cause irritation of the gastrointestinal system. Symptoms may include nausea, vomiting and diarrhoea.
Skin	Will cause irritation to skin. Symptoms may include redness and itchiness. Repeated or prolonged skin contact may lead to dermatitis.
Eye	Eye contact may cause slight to moderate eye irritation, symptoms including redness, excessive tearing, stinging and swelling.
Chronic Effects	Prolonged and/or repeated skin contact with this product will cause irritation and could lead to drying and defatting, possibly leading to dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Data not available for this specific material.
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Persistence / Degradability	Data not available for this specific material.
Mobility	Data not available for this specific material.
Bioaccumulative Potential	Data not available for this specific material.
Environment Protection	Do not allow product to enter drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to Environmental Protection Authority, federal, state and local regulations.
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14. TRANSPORT INFORMATION

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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15. REGULATORY INFORMATION

Regulatory Information	Australia: Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC). Classified as a Scheduled Poison S5 according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
Poisons Schedule	S5
Packaging & Labelling	Labelling requirements of the Standard for Uniform Scheduling of Drugs and Poisons do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing purposes; however is labelled in accordance with the National Occupational Health and Safety Commission's 'National Code of Practice for the Labelling of Workplace Substances'.
Hazard Category	Harmful, Irritant

16. OTHER INFORMATION

**Date of
preparation or
last revision
of MSDS**

MSDS Creation: April 2008

Contact

Person/Point

Poisons Information Centre 13 1126 (Australia Wide)

End of MSDS
