

Infosafe No™ 1CHOO	Issue Date : August 2022	RE-ISSUED by CHEMSUPP
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 Product Name **KEROSENE**

Classified as hazardous

Section 1 - Identification

Product Identifier	KEROSENE	
Company Name	CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)	
Address	38 - 50 Bedford Street GILLMAN SA 5013 Australia	
Telephone/Fax Number	Tel: (08) 8440-2000	
Emergency Phone Number	CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)	
E-mail Address	www.chemsupply.com.au	
Recommended use of the chemical and restrictions on use	Rocket and jet engine fuel, domestic heating, solvent, diesel and tractor fuels. Also used in kerosene lamps, flares, and stoves; as degreaser and cleaner; Deobase formerly used as a solvent in cosmetics and in insecticidal sprays.	
Other Names	<u>Name</u>	<u>Product Code</u>
	KEROSENE TG	KT002
	Kerosine	
	Kerosine (petroleum)	

Other Information

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

Section 2 - Hazard(s) Identification

GHS Classification of the Substance/Mixture	Aspiration Hazard: Category 1 Carcinogenicity: Category 2 Flammable Liquids: Category 3 Skin Corrosion/Irritation: Category 2 Hazardous to the Aquatic Environment - Acute Hazard: Category 2 Hazardous to the Aquatic Environment - Long-Term Hazard: Category 2
Signal Word	DANGER
Hazard Statement (s)	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H351 Suspected of causing cancer. H411 Toxic to aquatic life with long lasting effects.
Pictogram (s)	Flame, Health hazard, Exclamation mark, Environment



Precautionary Statement – Prevention	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
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Precautionary Statement – Response	<p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P264 Wash thoroughly after handling.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P281 Use personal protective equipment as required.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/attention.</p> <p>P331 Do NOT induce vomiting.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P362 Take off contaminated clothing and wash before reuse.</p> <p>P370+P378 In case of fire: Use foam/waterspray/fog for extinction.</p> <p>P381 Eliminate all ignition sources if safe to do so.</p>
Precautionary Statement – Storage	<p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p>
Precautionary Statement – Disposal	<p>P501 Dispose of contents/container to an approved waste disposal plant.</p>
Other Information	<p>A highly hazardous condition can occur if a patient vomits the swallowed product and foam is aspirated into the lungs. This may cause mild to severe pulmonary injury and possibly death.</p>

Section 3 - Composition and Information on Ingredients

Ingredients	Name	CAS	Proportion
	Low Aromatic White Spirit	64742-82-1	100 %
Composition, information on ingredients	Contains components: 1,2,4-trimethylbenzene (95-63-6) <=10% 1,2,5-trimethylbenzene (108-67-8) <=10% Naphthalene (91-20-3) <=10% Xylene, mixed isomers (1330-20-7) <=10% Benzene (71-43-2) <0.1%		

Section 4 - First Aid Measures

Inhalation	If inhaled, remove from contaminated area to fresh air immediately, avoid becoming a casualty. Make patient comfortable, keep warm and at rest until fully recovered. If breathing is difficult (or develops a bluish skin discoloration), supply oxygen by a qualified person. Apply artificial respiration with a respiratory medical device if not breathing. Do not use mouth to mouth resuscitation. Immediately medical attention is required.
Ingestion	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek immediate medical advice.
Skin	If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Wash with plenty of soap and water. Seek medical advice if effects persist. Remove contaminated clothing and wash before re-use.
Eye	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical advice if effects persist.
First Aid Facilities	Maintain eyewash fountain and drench facilities in work area.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
Other Information	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

Section 5 - Firefighting Measures

Hazards from Combustion Products	Produces oxides of carbon and nitrogen.
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Specific Methods	Small fire: Use dry chemical, CO2 or water spray. Large fire: Use water spray, fog or foam - Do NOT use water jets. If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out. Avoid getting water inside the containers.
Specific Hazards Arising from the Chemical	Flammable liquid. May be ignited by heat, sparks or flames. Vapour will form explosive mixtures with air. Vapour will travel to source of ignition and flash back. Vapour is heavier than air and will spread along the ground and collect in low or confined areas (drains, basements, tanks). The liquid is lighter than water. Containers may explode when heated. Fire may produce irritating, poisonous or corrosive gases. Vapours from run-off may create an explosion hazard.
Hazchem Code	3Y
Precautions in connection with Fire	SCBA and structural firefighter's uniform may provide limited protection.

Section 6 - Accidental Release Measures

Spills & Disposal	Eliminate all ignition sources (no smoking, flares, sparks or flame) within at least 25m. All equipment in handling this product must be earthed. Do NOT touch or walk through this product. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Vapour suppressing foam may be used to control vapours. Water spray may be used to knock down or divert vapours. Absorb spill with earth, sand or other non-combustible material. Use clean, non-sparking tools to collect material and place it in loosely-covered metal or plastic containers for later disposal. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
Personal Precautions	Remove all possible sources of ignition in the surrounding area. Ventilate contaminated area thoroughly. Avoid contact with skin, eyes, nose, mouth. Evacuate the area of all non-essential personnel.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)
Environmental Precautions	Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.

Section 7 - Handling and Storage

Precautions for Safe Handling	Avoid ingestion and inhalation of material. Do not breathe vapour. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Use in well ventilated areas away from all ignition sources. Keep container tightly closed when not in use. Avoid using metal tools. Wash hands and face thoroughly after working with material. Earth or bond all equipment. All electrical equipment must be flameproofed.
Conditions for safe storage, including any incompatibilities	Store in well ventilated area. Store away from oxidizing agents. Keep containers securely sealed and protected against physical damage. Store away from foodstuffs. Keep away from direct sunlight and other sources of heat or ignition.
Storage Regulations	Refer Australian Standard AS 1940 - 1993 'The storage and handling of flammable and combustible liquids'.

Section 8 - Exposure Controls and Personal Protection

Other Exposure Information	A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for this product. There is a blanket limit of 10mg/m3 for dusts or mists when limits have not otherwise been established.
Engineering Controls	Maintain eyewash and safety shower facilities. In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
Respiratory Protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In

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Eye and Face Protection	event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.
Hand Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Personal Protective Equipment	Recommended: Vinyl, Nitrile. Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.
Footwear	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.
Body Protection	Safety boots, preferably rubber boots, in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
Hygiene Measures	Clean clothing or protective clothing should be worn, preferably with and apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Section 9 - Physical and Chemical Properties

Form	Liquid
Appearance	Colourless clear liquid.
Odour	Strong odour, aromatic.
Boiling Point	Typically 145 - 300°C
Solubility in Water	Insoluble.
Solubility in Organic Solvents	Miscible with other petroleum solvents.
Specific Gravity	0.79 g/cm ³
Vapour Pressure	Typically 0.3 kPa @ 20°C.
Flash Point	38°C
Flammability	Flammable.
Auto-ignition Temperature	228 °C
Flammable Limits - Lower	1.0%
Flammable Limits - Upper	6.0%

Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal use conditons.
Possibility of Hazardous Reactions	Reacts with strong oxidising agents, strong acids and bases and amines cause fire and explosion hazard.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.
Incompatible Materials	Strong oxidizing agents, strong bases, strong acids and amines.
Hazardous Decomposition Products	Produces carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

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Acute Toxicity - Oral	LD50 Oral (rat) > 2000mg/kg.
Ingestion	Harmful: may cause lung damage if swallowed. May cause gastric irritation, nausea, vomiting, abdominal pain and convulsions. May lead to CNS depression. Aspiration into the lungs may result in hypoxia, emphysema, chemical pneumonitis (inflammation of the lungs caused by allergic reaction).
Inhalation	Inhalation may be harmful. Inhalation may cause irritation of the throat, nose and respiratory system causing headaches, rapid breathing, drowsiness, fatigue, incoordination, confusion, disorientation, possible nausea and coma.
Skin	Defatting action on skin can lead to irritation and infection. Symptoms include of drying, redness, swelling and scaling.
Eye	Causes eye irritation. Symptoms include of swelling, redness, blurred vision and tearing.
Serious Eye Damage/Irritation	Mild irritant.
Carcinogenicity	Naphthalene - Classified by the International Agency for Research on Cancer (IRAC) as a Group 2B. Group 2B - The agent is probably carcinogenic to humans.
Reproductive Toxicity	Not expected to impair fertility.
STOT - Single Exposure	Inhalation of vapours or mists may cause irritation to the respiratory system.
STOT - Repeated Exposure	Central nervous system: repeated exposure affects the nervous system. effects seem at high dosed only.
Aspiration Hazard	Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Mutagenicity	No evidence of mutagenic properties.
Chronic Effects	SKIN: Repeated or prolonged skin contact may cause chronic dermatitis (dry, itchy, cracked, red skin) due to defatting. INHALATION: Repeated or prolonged inhalation may cause respiratory tract irritation, kidney damage, blood affects, brain damage, affect behavior, CNS, cardiovascular symptoms similar to acute inhalation. INGESTION: Repeated or prolonged inhalation may affect pigmentation of the blood, liver, endocrine system, weight loss.

Section 12 - Ecological Information

Persistence and Degradability	readily biodegradable. Oxidises by photo-chemical reactions with air.
Mobility	Floats on water.
Bioaccumulative Potential	Has the potential to bioaccumulate.
Environmental Protection	Do not allow product to enter drains, waterways or sewers.
Acute Toxicity - Fish	Expected to be harmful: 10 <LC/EC/IC50<= 100mg/l
Acute Toxicity - Algae	Expected to be harmful: 1 <LC/EC/IC50<= 10mg/l
Acute Toxicity - Other Organisms	Aquatic invertebrate - Expected to be harmful: 10 <LC/EC/IC50<= 100mg/l Microorganisms - Expected to be harmful: 10 <LC/EC/IC50<= 100mg/l

Section 13 - Disposal Considerations

Disposal Considerations	Dispose of according to relevant local, state and federal government regulations.
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Section 14 - Transport Information

Transport Information	Dangerous goods of Class 3 (Flammable Liquid) 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, Class 7.
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ADG UN Number 1223
ADG Proper Shipping Name KEROSENE
ADG Transport Hazard Class 3
ADG Packing Group III
Hazchem Code 3Y
EPG Number 3A1
IERG Number 15

Section 15 - Regulatory Information

Regulatory Information Listed in the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule S5

Section 16 - Any Other Relevant Information

Literature References 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.
National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'.
Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'.
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand.
Safe Work Australia, 'Hazardous Chemical Information System'.
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'.
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.

Contact Person/Point Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**
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