

Infosafe No™ 1CH4V Issue Date : July 2021 RE-ISSUED by CHEMSUPP

Product Name **PARAFFIN OIL**

Classified as hazardous

1. Identification

GHS Product Identifier PARAFFIN OIL

Company Name CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)

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Recommended use of the chemical and restrictions on use Medicinal, disinfectants, cleaning agents, lubricants, cosmetics, food/foodstuff additives, polymers, textile processing, corrosive inhibitors, hydraulic fluids, metal-working, offshore drilling, fuels, agriculture, pesticides, fertilisers, printing inks, paints, lacquers, varnishers, floor treatment and laboratory reagent.

Other Names	<u>Name</u>	<u>Product Code</u>
	PARAFFIN OIL Light 15 LR	PL041
	PARAFFIN OIL Light 15 BP	PP041
	PARAFFIN OIL Heavy 68 BP	PP043
	PARAFFIN OIL Heavy 68 LR	PL043
	Mineral oil, Liquid paraffin, White mineral oil	

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.

2. Hazard Identification

GHS classification of the substance/mixture Aspiration Hazard: Category 1

Signal Word (s) DANGER

Hazard Statement (s) H304 May be fatal if swallowed and enters airways.

Pictogram (s) Health hazard



Precautionary statement – Response P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting.

Precautionary statement – Storage P405 Store locked up.

Precautionary statement – Disposal P501 Dispose of contents/container to an approved waste disposal plant.

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3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Paraffin liquid heavy	8012-95-1	100 %
	Paraffin liquid light	8042-47-5	100 %

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
Ingestion	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek immediate medical advice. Pulmonary failure is possible after aspiration of vomit.
Skin	Wash with plenty of soap and water. If irritation occurs seek medical advice.
Eye contact	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. If persistent irritation occurs, obtain medical attention.
First Aid Facilities	Maintain eyewash fountain and safety shower 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.

5. Fire-fighting measures

Hazards from Combustion Products	Carbon monoxide, carbon dioxide.
Specific Methods	Small fire: Use dry chemical, CO ₂ , water spray or foam. Large fire: Use water spray, fog or foam. 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.
Specific hazards arising from the chemical	May be ignited by heat, sparks or flames. Oil will float on water and can spread any fire. Containers may explode when heated. Fire may produce irritating, poisonous or corrosive gases. Runoff may pollute waterways.
Precautions in connection with Fire	Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

Spills & Disposal	Eliminate all ignition sources (no smoking, flares, sparks or flame) within at least 15m. Do NOT touch or walk through this product. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Water spray may be used to knock down or divert vapour clouds. Use clean non-sparking tools to collect material and place it into loosely-covered plastic containers for later disposal. SEEK EXPERT ADVICE ON HANDLING AND DISPOSAL.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)
Clean-up Methods - Small Spillages	Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.

7. Handling and storage

Precautions for Safe Handling	Avoid contact with eyes, skin, and clothing. Avoid breathing gas/fumes/vapour/spray/mist. Avoid prolonged or repeated exposure. Wash hands after working with substance. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Change contaminated clothing. Launder contaminated clothing before reuse. Properly dispose of contaminated
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Conditions for safe storage, including any incompatibilities leather articles (shoes) that can not be decontaminated. Use with adequate ventilation. Keep container tightly closed. Keep away from heat and all sources of ignition. Keep away from incompatibles such as oxidizing agents. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from heat, sparks, flames and high temperatures. Keep well closed and protected from direct sunlight and moisture. Protect against physical damage. Store separately from reactive or combustible materials. Store away from oxidizing agents.

Storage Temperatures Do not store above 24 °C.

8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Paraffin liquid heavy			5		Oil mist, refined mineral
	Paraffin liquid light			5		Oil mist, refined mineral
Other Exposure Information	These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. A time weighted average (TWA) has been established for Oil mist, refined mineral (Safe Work Australia) of 5 mg/m ³ . The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.					
Appropriate engineering controls	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 vapours or mists. Select and use respirators in accordance with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. When mists or vapours exceed the exposure standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist filters. Filter capacity and respirator type depends on exposure levels.					
Eye 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.					
Hand Protection	Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste.					
Personal Protective Equipment	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.					
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.					
Body Protection	Flame retardant antistatic protective clothing. Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.					
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.					

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9. Physical and chemical properties

Form	Liquid
Appearance	Clear, colourless, water-white to slightly yellowish or amber oily liquid.
Odour	Practically odourless even when warmed to odour like burned lubricating oil.
Melting Point	-17.73 °C
Boiling Point	260 - 450°C
Solubility in Water	Insoluble.
Solubility in Organic Solvents	Miscible with most fixed oils; easily soluble in n-octanol; soluble in benzene, chloroform, ether, carbon disulfide, petroleum ether, volatile oils; not miscible with castor oil; insoluble in alcohol.
Specific Gravity	0.830-0.860 - Light 0.875-0.905 - Heavy
pH	Neutral to litmus.
Vapour Pressure	< 0.008 hPa (0.01 mmHg) at 20 °C
Viscosity	Light: 15.0-17.0 cSt @ 40°C Heavy: 66.0-70.0 cSt @ 40°C
Volatile Component	Zero.
Partition Coefficient: n-octanol/water	log Pow: > 6 - light
Surface Tension	Slightly below 35 dynes/cm @ 25 °C
Flash Point	Light: > 120 °C (OC) Heavy: > 170 °C
Flammability	Combustible.
Auto-Ignition Temperature	260 to 371 °C
Kinematic Viscosity	< 30 mm ² /s at 40 °C - light 63 - 70 mm ² /s at 40 °C - heavy

10. Stability and reactivity

Chemical Stability	Stable under ordinary conditions of use and storage. May solidify at room temperature. Oxidation and peroxidation when it occurs in mineral oils continues almost at logarithmic rate.
Conditions to Avoid	High temperatures, excess heat, flames, ignition sources, sunlight or ultraviolet light and incompatibles.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Possibility of hazardous reactions	Forms explosive mixtures with air on intense heating.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat): >5,000 mg/kg.
Ingestion	May be fatal if swallowed and enters airways. Material is a cathartic and can cause serious diarrhoea and may cause gastrointestinal tract discomfort, abdominal cramps, nausea and vomiting. Exposure to a large single dose, or repeated small doses by inhalation, aspiration or ingestion leading to aspiration can lead to lipid pneumonia or lipid granuloma.
Inhalation	Symptoms may include coughing, shortness of breath. Inhalation of mist or vapour may produce aspiration pneumonia, which is characterized by pulmonary

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	edema and hemorrhage and may be fatal. Signs of lung involvement include increased respiratory rate, increased heart rate, and bluish discoloration of the skin. Coughing, choking and gagging are often noted at the time of aspiration. However, this product has a low vapour pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting.
Skin	Prolonged and/or repeated contact may cause skin irritation, defatting of the skin and dermatitis. Chronic exposure may cause lung damage.
Eye	Mists or fumes can irritate the eyes. Can cause discomfort similar to motor oil.
Respiratory sensitisation	Not classified based on available information.
Skin Sensitisation	Not classified based on available information.
Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	Not listed in the IARC Monographs. Not classified based on available information.
Reproductive Toxicity	Not classified based on available information.
STOT-single exposure	Not classified based on available information.
STOT-repeated exposure	Not classified based on available information.
Aspiration Hazard	Aspiration Hazard: Category 1 Maybe fatal if swallowed and enters airways.
Chronic Effects	Prolonged use of paraffin oil may interfere with the absorption of fat-soluble vitamins. Chronic exposure may cause lung damage. Prolonged or repeated skin exposure may cause dermatitis or oil acne. Highly refined mineral oils are not classified as human carcinogens. However, related forms (untreated and mildly-treated oils) are listed as human carcinogens by both NTP and IARC.
Mutagenicity	Not classified based on available information.

12. Ecological information

Ecological Information	This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant.
Ecotoxicity	Quantitative data on the ecological effect of this product are not available.
Environmental Protection	Do not allow to enter waters, waste water, or soil!

13. Disposal considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government 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	All the constituents of this product are listed on the Australian Inventory of Chemical Substances (AICS), or exempted. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Poisons Schedule	S5

16. Other Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.
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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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