



SAFETY DATA SHEET

1. Identification of Material and Supplier

Product Name: Helmar Superlube Machine Oil

Recommended Use: General purpose lubricant.

Supplier: Helmar Australia Pty Ltd

ABN: 28 003 425 796

Street Address: 54-56 Brisbane Road, Riverstone NSW 2765

Telephone Number: (61+2) 9627 4666

Fax: (61+2) 9627 4424

Emergency Telephone Number: (24 Hours)

In Australia contact a Poison Information Centre Ph.: 13 11 26

In New Zealand Ph.: 0800 764 766

In the USA contact a Poison Control Center Ph.: 1-800-222-1222

2. Hazards Identification



Signal Word

Danger

Hazard Classification

Aspiration Hazard – Category 1

Hazard Statement

H304 May be fatal if swallowed and enter airways.

Precautionary Statements (Prevention)

Not applicable.

Precautionary Statement (Response)

P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.

P331 Do NOT induce vomiting.

Precautionary Statement (Storage)

P405 Store locked up.

Precautionary Statement (Disposal)

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

Poisons Schedule (Australia): Not applicable

3. Composition/Information on Ingredients

Composition	CAS#	%
White Mineral Oil (Petroleum)	8042-47-5	100

4. First-Aid Measures

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Description of necessary measures according to routes of exposure

Ingestion	If swallowed immediately call a poisons centre or doctor /physician. Do NOT induce vomiting.
Eye	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from eyeball to ensure thorough rinsing. Get medical attention if discomfort persists.
Skin	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.
Inhaled	Not likely to occur except as a mist. Remove patient to fresh air and consult a physician. If breathing is difficult, give oxygen. Immediately get medical attention.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of patient.
Aggravated Medical Conditions Caused by Exposure	No information available on medical conditions aggravated by exposure to this product.

5. Fire-Fighting Measures

General Measures	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.
Flammability Conditions	Product is a combustible liquid. Dry chemical, carbon dioxide, water, fog and foam. Note: Water, fog and foam may cause frothing and spattering.
Extinguishing Media	Do not use water jet as an extinguisher as this will spread the fire.
Fire and Explosion Hazard	Product is a combustible liquid.
Hazardous Products of Combustion	On combustion forms: Carbon dioxide (CO ₂), Nitrogen oxides (NO _x), Carbon Monoxide, etc.
Special Fire Fighting Instructions	Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
Personal Protective Equipment	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit.
Flash Point	>145 °C Open Cup
Lower Explosion Limit	No Data Available
Upper Explosion Limit	No Data Available
Auto Ignition Temperature	No Data Available
Hazchem Code	No Data Available

6. Accidental Release Measures

General Response Procedure	Eliminate all sources of ignition. Increase ventilation. Avoid walking through spilled product as it may be slippery. Use clean, non-sparking tools and equipment.
Clean up Procedures	Soak up spilled product using absorbent non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect the material and transfer to a suitable, labelled chemical waste container and dispose of promptly as hazardous waste.
Containment Environmental Precautionary Measures	Stop leak if safe to do so. Do not allow product to reach drains, sewers or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Authority.
Evacuation Criteria	Evacuate all unnecessary personnel.
Personal Precautionary Measures	Personnel involved in the clean up should wear full protective clothing as listed in section 8.

7. Handling and Storage

Handling	Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product vapours.
Storage	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Store in a covered area away from sources of heat, ignition and sunlight. It is recommended that the drums be stored horizontally with bungs in 3 o'clock and 9 o'clock position, such that bungs area always immersed contamination from air humidity, rain, etc. This product is classified as a 'C1' Combustible Liquid for the purpose of storage and handling in accordance with the requirements of AS1940.
Container	Store in original packaging as approved by manufacturer.

8. Exposure Controls/Personal Protection

General	Mineral Oil Mist: White Mineral Oil. CAS: 8042-47-5 TWA (Mist) ACGIH value is 5.0 mg/m ³ STEL (Mist) ACGIH value is 10.0 mg/m ³
Exposure Limits	No Data Available
Biological Limits	No information available on biological limit values for this product.
Engineering Measures	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Adequate ventilation should be provided so that exposure limits are not exceeded. Local ventilation is needed if used in a manner that generates an airborne mist.
Personal Protection Equipment	RESPIRATOR: If vapour and / or mist is generated by heating, spraying, etc, wear an organic vapour respirator with an approved mist filter (AS1715/1716). EYES: Wear safety glasses or goggles (AS1336/1337). HANDS: Use oil resistant gloves (AS2161). CLOTHING: Wear coveralls to minimise skin contact and contamination of personal clothing (AS3765/2210).
Work Hygienic Practices	No Data Available

9. Physical and Chemical Properties

Physical State	Liquid
Appearance	Liquid
Odour	Odourless
Colour	Clear White
pH	No Data Available
Vapour Pressure	<0.01 mmHg (@ 20 °C)
Relative Vapour Density	No Data Available
Boiling Point	No Data Available
Freezing Point	No Data Available
Solubility Insoluble	20°C
Specific Gravity	0.815 g/mL - 0.840 g/mL
Flash Point	>145 °C Open Cup
Auto Ignition Temp	No Data Available
Evaporation Rate	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	No Data Available
Specific Heat	No Data Available
Molecular Weight	No Data Available
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	Kinematic viscosity @ 40 deg C: 7-20 mm ² /s
Potential for Dust Explosion	Product is a combustible liquid.
Fast or Intensely Burning	
Characteristics	Product is a combustible liquid.
Flame Propagation or Burning	
Rate of Solid Materials	No Data Available
Non-Flammables That Could	
Contribute Unusual Hazards to a	
Fire	No Data Available
Properties That May Initiate or	
Contribute to Fire Intensity	No Data Available
Reactions That Release Gases or	
Vapours	No Data Available
Release of Invisible Flammable	
Vapours and Gases	No Data Available

10. Stability and Reactivity

General Information	Combustible liquid.
Chemical Stability	Product is stable under normal conditions of use, storage and temperature.
Conditions to Avoid	Avoid direct contact with sunlight or ultraviolet light, heat, flames, sparks, etc.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	On combustion forms carbon monoxide (CO), Carbon dioxide (CO ₂), nitrogen oxides (NO _x), etc
Hazardous Polymerisation	No Data Available

11. Toxicological Information

General Information	Test results for acute toxicity based upon an analogy with a similar material are: Rat result > 5,000 mg/kg
Ingestion	Ingestion is unlikely to have any toxic effects, but the product may act as an intestinal lubricant and result in diarrhea and frequent loose stools. If vomiting occurs aspiration may cause delayed pulmonary edema and chemical pneumonia.
Inhalation	Harmful by inhalation. May be fatal if swallowed and enters airways.

Carcinogen Category No Data Available

12. Ecological Information

Ecotoxicity	No Data Available
Persistence/Degradability	Readily biodegradable, OECD 301B test - 67% based on similarly tested raw materials.
Mobility	The product is insoluble in water and mainly not volatile. In soil, mineral oil shows little mobility and absorption is the predominant physical process.
Environmental Fate	No Data Available
Bioaccumulation Potential	Models suggest that petroleum oils may bio accumulate but the bioavailability / lower solubility may reduce this potential.
Environmental Impact	No Data Available

13. Disposal Considerations

General Information	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
Special Precautions for Land Fill	Contact a specialist disposal company or the local waste regulator for advice. Empty containers or liners may retain some product residues.

14. Transport Information

Land Transport (Australia)
ADG

Proper Shipping Name	Rajol WP80-Light White Oil USP
Class	C1 Combustible Liquids - Flash point 61 - 150 °C
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

Sea Transport
IMDG

Proper Shipping Name	Rajol WP80-Light White Oil USP
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No

Air Transport
IATA

Proper Shipping Name	Rajol WP80-Light White Oil USP
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

15. Regulatory Information

General Information No Data Available
Poisons Schedule (Aust) No Data Available

National/Regional Inventories

Australia (AICS)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	Not Determined
Europe (REACH)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined
New Zealand (NZIoC)	Not Determined
Philippines (PICCS)	Not Determined
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined

16. Other Information

Contact Point: Helmar Australia Pty Ltd

Phone: (61+2) 9627 4666 **Fax:** (61+2) 9627 4424

After hours:

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Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy. This MSDS 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. Since Helmar Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

The information and recommendations set down here in this document are presented in good faith and to the best of Helmar Australia Pty Ltd's knowledge. Helmar Australia Pty Ltd cannot predict or control the conditions of use or handling of this product and each user must review this document in the context of the conditions under which they intend to handle and use this product. It is the responsibility of the user to ensure a proper assessment has been carried out. No representations or warranties, either expressed or implied, or merchantability, fitness for purpose or any other nature are made here under with respect to the product to which this information refers.