



## SAFETY DATA SHEET

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### 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

For advice, contact a Poisons Information Centre: In Australia Ph.:13 11 26, In New Zealand Ph.: 0800 764 766, In the USA contact a Poison Control Center Ph.: 1-800-222-1222

#### Description of necessary measures according to routes of exposure

<b>Ingestion</b>	If swallowed immediately call a poisons centre or doctor /physician. Do NOT induce vomiting.
<b>Eye</b>	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.
<b>Skin</b>	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if symptoms occur.
<b>Inhaled</b>	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.
<b>Advice to Doctor</b>	Treat symptomatically based on judgement of doctor and individual reactions of patient.
<b>Aggravated Medical Conditions Caused by Exposure</b>	No information available on medical conditions aggravated by exposure to this product.

### 5. Fire-Fighting Measures

<b>General Measures</b>	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.
<b>Flammability Conditions</b>	Product is a combustible liquid. Dry chemical, carbon dioxide, water, fog and foam. Note: Water, fog and foam may cause frothing and spattering.
<b>Extinguishing Media</b>	Do not use water jet as an extinguisher as this will spread the fire.
<b>Fire and Explosion Hazard</b>	Product is a combustible liquid.
<b>Hazardous Products of Combustion</b>	On combustion forms: Carbon dioxide (CO <sub>2</sub> ), Nitrogen oxides (NO <sub>x</sub> ), Carbon Monoxide, etc.
<b>Special Fire Fighting Instructions</b>	Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
<b>Personal Protective Equipment</b>	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.
<b>Flash Point</b>	>145 °C Open Cup
<b>Lower Explosion Limit</b>	No Data Available
<b>Upper Explosion Limit</b>	No Data Available
<b>Auto Ignition Temperature</b>	No Data Available
<b>Hazchem Code</b>	No Data Available

## 6. Accidental Release Measures

<b>General Response Procedure</b>	Eliminate all sources of ignition. Increase ventilation. Avoid walking through spilled product as it may be slippery. Use clean, non-sparking tools and equipment.
<b>Clean up Procedures</b>	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.
<b>Containment</b>	Stop leak if safe to do so.
<b>Environmental Precautionary Measures</b>	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.
<b>Evacuation Criteria</b>	Evacuate all unnecessary personnel.
<b>Personal Precautionary Measures</b>	Personnel involved in the clean up should wear full protective clothing as listed in section 8.

## 7. Handling and Storage

<b>Handling</b>	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.
<b>Storage</b>	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.
<b>Container</b>	Store in original packaging as approved by manufacturer.

## 8. Exposure Controls/Personal Protection

<b>General</b>	Mineral Oil Mist: White Mineral Oil. CAS: 8042-47-5 TWA (Mist) ACGIH value is 5.0 mg/m <sup>3</sup> STEL (Mist) ACGIH value is 10.0 mg/m <sup>3</sup>
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available on biological limit values for this product.
<b>Engineering Measures</b>	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.
<b>Personal Protection Equipment</b>	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).
<b>Work Hygienic Practices</b>	No Data Available

## 9. Physical and Chemical Properties

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

## 10. Stability and Reactivity

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

## 11. Toxicological Information

<b>General Information</b>	Test results for acute toxicity based upon an analogy with a similar material are: Rat result > 5,000 mg/kg
<b>Ingestion</b>	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.
<b>Inhalation</b>	Harmful by inhalation. May be fatal if swallowed and enters airways.
<b>Carcinogen Category</b>	No Data Available

## 12. Ecological Information

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

## 13. Disposal Considerations

<b>General Information</b>	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.
<b>Special Precautions for Land Fill</b>	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

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

**Sea Transport**  
IMDG

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

**Air Transport**  
IATA

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

**National Transport Commission (Australia)**

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

<b>Dangerous Goods Classification</b>	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
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## 15. Regulatory Information

<b>General Information</b>	No Data Available
<b>Poisons Schedule (Aust)</b>	No Data Available

**National/Regional Inventories**

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

## 16. Other Information

**Contact Point:** Helmar Australia Pty Ltd

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

### **After 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

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.