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SAFETY DATA SHEET INFORMATION

For further information: Please refer to the Safety Data Sheet following

Issue: March 19

PRODUCT: Woolube Ozspray Heavy Duty

Other Names: Lubricant

Uses: Spray-on lubricant, protective fluid

Signal Word: None

UN No.:	N/R
Dangerous Goods Class:	N/R
Subsidiary Risk:	None
Packing Group:	N/R
Hazchem Code:	N/R
Poisons Schedule:	None

Hazard Category:	This product is classified as not hazardous in accordance with GHS criteria in Australia
Hazard Statement:	Not hazardous: intentionally left blank
GHS Classification:	No GHS Hazard Classification applies
Exposure Standards:	TWA: None specified; consider 5 g/m^3; STEL: None specified; consider 5 g/m^3

Physical Characteristics (Typical)	**Section 9 of the SDS**
Appearance	Transparent, honey-coloured mobile fluid
Boiling Point/Range (°C):	> 250
Flash Point (°C):	> 100
Specific Gravity/Density (g/ml @ 15°C):	0.90
pH:	Neutral
Chemical Stability:	Stable at room temperature and pressure
Reactivity:	Excessive heat, oxidising agents, mineral acids, strong alkalis

Product Ingredients		**Section 3 of the SDS**
Ingredient	CAS Number	Proportion
De-aromatised hydrocarbon	64742-46-7	> 50
Lanolin derivatives and concentrates	various	< 40
Rheology modifiers	various	< 10
For further ingredients information, please refer to the full MSDS		

GHS Pictograms **Section 2 of the SDS**

Not hazardous: intentionally left blank

DEFINITIONS

Dangerous Goods	Products that are regulated for transport under the UN International guidelines are classified as Dangerous Goods. Products can be classified by their physical characteristics and may have only one Dangerous Goods designation, although may have a subsidiary risk. These products may be Dangerous Goods for transport by Air and Sea but may not be classed as Dangerous Goods by Road and Rail in Australia. Refer to the Australian Code for Transport of Dangerous Goods by Road and Rail (ADG) for more information.
Hazardous Substances	Hazardous Substances are those products that are intrinsically hazardous by virtue of their chemical nature, rather than as a condition of their misuse. These hazards include mutagens, teratogens, carcinogens, and products that are harmful or irritant in nature. These products may or may not carry a Dangerous Goods classification.
Poisons	Poisons are products that are regulated by the dose or exposure, often having physical and chemical effects at certain concentrations particular to the nature of the product. The associated warnings caution and First Aid instruction are prescriptive under the regulation in Australia.

SUMMARY INFORMATION ONLY

1. IDENTIFICATION

Product Name: Woolube Ozspray Heavy Duty
Other Names: Lubricant
Chemical Family: Food-safe industrial lubricant and protection spray
Molecular Formula: Not available
Recommended Use: Spray-on lubricant, protective fluid
Supplier: Woolube Laboratories Pty Ltd.
ABN: 79 088 757 582
Address: 2/100 Mitchell Road, CARDIFF NSW 2285
Telephone: +61 1300 664 663
Emergency Phone: **+61 1300 664 663**
All other inquiries: info@woolube.com.au

2. HAZARDS IDENTIFICATION

Hazard Category

This product is classified as not hazardous in accordance with GHS criteria in Australia **GHS Classification**

No GHS Hazard Classification applies

GHS Pictograms

Not hazardous: intentionally left blank

Hazard Statement

Not hazardous: intentionally left blank **Hazard Statements**

Not hazardous: intentionally left blank

Precautionary Statements

Not hazardous: intentionally left blank

Dangerous Goods Classification N/R

Poisons Schedule None

Signal Word None

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS Number	Proportion (% v/v)
De-aromatised hydrocarbon	64742-46-7	> 50
Lanolin derivatives and concentrates	various	< 40

Rheology modifiers	various	< 10
		Note: contains < 0.1% benzene

4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor.

Ingestion

If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

Eye Contact

Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention.

Skin Contact

Flush area with large amounts of water and wash area with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

Inhalation

Using proper respiratory protection, immediately remove the affective victim from exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Seek immediate medical attention.

First Aid Facilities

Provide eye baths and safety showers.

Medical Attention

Treat according to symptoms; this product is unlikely to induce narcotic effects.

5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress providing fire fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable Extinguishing Media

Dry chemical or foam

Hazards from combustion products

Carbon monoxide, carbon dioxide, and other organic material

Precautions for fire fighters and special protective equipment

Fully self-contained breathing apparatus

Hazchem Code

N/R

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Prevent product from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours or dusts from building up in confined areas. Ensure that drain valves are always closed. Clean up and report spills immediately.

Methods and materials for containment ***Major***

Land Spill

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard, where present.
- Prevent product from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.

- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled product using the resources in the spill kit.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”

Major Water Spill

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard, where present.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”.

7. HANDLING AND STORAGE

Precautions for Safe Handling

This product will fuel a fire in progress and may create hazardous vapours on burning. This product is an emollient and will become slippery if spilled. Employ standard industrial hygiene practices when handling this product.

Conditions for Safe Storage

Store in a cool, dry place away from direct sunlight. Protect containers from physical damage and check regularly for leaks. Avoid release to the environment, store in bunded areas and ensure exit drains are closed.

Incompatible Materials

None established

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

National Exposure Standards

The time weighted average concentration (TWA) for this product is: None specified; consider 5 g/m^3, which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short-term exposure limit (STEL) is: None specified; consider 5 g/m^3, which is the maximum allowable exposure concentration at any time. Replacing a TWA or STEL value for some products is a Peak Limitation value (Peak): None applies in this case. In addition to the exposure concentrations may be a subsidiary caution in such cases where the product is a skin sensitiser, represented as (Sen), where None applies in this case.

Biological Limit Values (BLV)

No data available

Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof equipment.

Personal Protective Equipment

Respiratory Protection: Where concentrations in air may approach or exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type ‘A’ filter material is considered suitable for this product.

Eye Protection: Always use safety glasses or a face shield when handling this product.

Skin/Body Protection: Always wear long sleeves, long trousers, or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves be worn when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical Value
Appearance	None	Transparent, honey-coloured mobile fluid
Boiling Point/Range	°C	> 250
Flash Point	°C	> 100
SG/Density (@ 15°C)	g/ml; kgm^{-3}	0.90
Vapour Pressure @ 20°C	kPa	No data available
Vapour Density @ 20°C	g/ml; kgm^{-3}	No data available
Autoignition Temperature	°C	> 450
Explosive Limits in Air	% vol/vol	No data available
Viscosity @ 20°C	cPs, mPas	40
Percent volatiles	% vol/vol	> 60

Property	Unit of measurement	Typical Value
Acidity/alkalinity as pH	None	Neutral
Solubility in Water	g/l	Immiscible
Other solvents	-	Hydrocarbons, organic solvents

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Technical Data Sheet.

10. STABILITY AND REACTIVITY

Chemical stability

Stable at room temperature and pressure

Conditions to avoid

Excessive heat, oxidising agents, mineral acids, strong alkalis

Hazardous decomposition products

Carbon monoxide, carbon dioxide, other complexes on incomplete burning or oxidation

Hazardous reactions

None established

Hazardous polymerisation

Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

This product is likely to cause discomfort on swallowing and may result in gastric disturbance and soft tissue irritation. **Eye Contact**

Eye contact with this product may cause discomfort but will be relieved with First Aid.

Skin Contact

Contact with this product may result in mild irritations for those with sensitive skin. The product is an emollient and may be easily absorbed through the skin.

Inhalation

Mists of this product may be uncomfortable on inhalation. Vapours are unlikely to be apparent except at elevated temperatures.

Chronic Effects

There are no known chronic effects of this product.

Other Health Effects Information

There are no expected adverse health effects.

Toxicological Information

Oral LD_{50}: No data available; > 2000 mg/kg

Dermal LD_{50}: No data available; > 2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity:

Fish Toxicity LC_{50}: No data available; > 10 mg/L

Daphnia Magna EC_{50}: No data available; > 10 mg/L

Blue-green algae: No data available; > 10 mg/L

Green algae: No data available; > 10 mg/L

Persistence/Biodegradability: This product contains components which will evaporate on exposure to light and air. The residue will biodegrade over time.

Mobility: This product will be mobile on release to the environment, risking contamination of waterways, soils and grasslands. The product is not considered toxic to the environment.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain product residue that may be harmful. Ensure that empty packaging is managed in accordance with Dangerous Goods regulations.

Special Precautions

This product is not suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product should be treated and disposed through chemical waste treatment or considered for use in recycling.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	N/R	**UN No.**	N/R	**UN No.**	N/R
Proper Shipping Name	Naturally, derived lubricant	**Proper Shipping Name**	Naturally, derived lubricant	**Proper Shipping Name**	Naturally, derived lubricant
DG Class	N/R	**DG Class**	N/R	**DG Class**	N/R
Sub. Risk	None	**Sub. Risk**	None	**Sub. Risk**	None
Packing Group	N/R	**Packing Group**	N/R	**Packing Group**	N/R
Hazchem	N/R	**Hazchem**	N/R	**Hazchem**	N/R

Dangerous Goods Segregation

This product is not regulated for transport by Road and Rail.

15. REGULATORY INFORMATION

Country/Region: Australia

Inventory: AICS

Status: Listed

Poisons Schedule: None

16. OTHER INFORMATION

Reasons for Issue: New manufacturer information; changes and updates in multiple sections.

Abbreviations:

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

GHS: Global Harmonised System

IARC: International Agency for Research on Cancer

PPE: Personal Protective Equipment

N/R: Non-regulated

N/A: Not applicable
UN: United Nations

References:

- Supplier Safety Data Sheets
- http://hsis.safework.gov.au/SearchHS.aspx (March 19)
- Animal toxicology data: http://chem.sis.nlm.nih.gov/chemidplus (March 19)
- Ecotoxicology data: http://cfpub.epa.gov/ecotox/quick_query.htm (historical)
- *Sax's Dangerous Properties of Industrial Materials*, Richard J Lewis Snr., pub. Canada (2005)

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Lanolin Technologies Pty Ltd.
