

## SAFETY DATA SHEET SUMMARY INFORMATION

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

Issue: September 16

<b>PRODUCT:</b>	Type 'A' Grease	<b>UN No.:</b>	N/R
<b>Other Names:</b>	Lanolin Grease, dielectric grease	<b>Dangerous Goods Class:</b>	N/R
<b>Uses:</b>	Anti-seize, lubricant, corrosion protection grease	<b>Subsidiary Risk:</b>	None
<b>Pack Sizes:</b>	30ml, 50ml, 235ml, 250ml Tube, 500ml, 1L, 4L, 20L, 200L	<b>Packing Group:</b>	N/R
		<b>Hazchem Code:</b>	N/R
		<b>Poisons Schedule:</b>	None

<b>Hazardous Class:</b>	This product is classified as not hazardous in accordance with the Australian GHS guidelines.
<b>Hazardous Category:</b>	No GHS Hazard Classification applies
<b>Exposure Standards:</b>	TWA: None specified.; STEL: None specified.; Peak Limitation (if any): None; Skin Sensitiser (if any): None. Refer to Section 8 for further information and definitions.

### Physical Characteristics (Typical) Section 9 of the SDS

Appearance	Brown, opaque solid
Boiling Point/Range (°C):	> 300
Flash Point (°C):	> 150
Relative Density (g/100g @ 20°C):	0.92
Demulsibility (mins):	Not determined.
Reactivity:	Strong acids, bases and oxidisers, extreme heat > 700 degrees.

### Product Ingredients Section 3 of the SDS

Ingredient	CAS Number	Proportion w/w%
Lanolin grease	8006-54-0	100

For further ingredients information, please refer to the full SDS

### 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, cautions and First Aid instruction are prescriptive under the regulation in Australia.

## 1. IDENTIFICATION

**Product Name:** Type 'A' Grease  
**Other Names:** Lanolin Grease, dielectric grease  
**Chemical Family:** Naturally-derived lubricant  
**Recommended Use:** Anti-seize, lubricant, corrosion protection grease  
**Supplier:** Lanotec Australia Pty Ltd  
**ABN:** 87 096 795 621  
**Address:** 9 Achievement Crescent, Acacia Ridge QLD 4107  
**Telephone:** +61 7 3373 3700  
**Fax:** +61 7 3373 3777  
**Emergency Phone:** 0400 712 081  
**All other inquiries:** +61 7 3373 3700

## 2. HAZARDS IDENTIFICATION

### Hazard Class

This product is classified as not hazardous in accordance with the Australian GHS guidelines.

### Hazardous Categories

No GHS Hazard Classification applies

### GHS Pictograms

Not hazardous: intentionally left blank

### Hazardous Statements

Not hazardous: intentionally left blank

### Precautionary Statements

Not hazardous: intentionally left blank

**Dangerous Goods Classification** N/R

**Poisons Schedule** None

**Signal Word**

## 3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS Number	Proportion (% w/w)
Lanolin grease	8006-54-0	100

## 4. FIRST AID MEASURES

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

### Ingestion

If swallowed, do NOT induce vomiting.

### Eye Contact

If in eyes wash out immediately with water.

### Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Launder clothes before reuse.

### Inhalation

If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

### First Aid Facilities

None specified, consider ventilation and respiratory aid.

**Medical Attention**

Treat symptomatically.

**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 Material Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

**Suitable Extinguishing Media**

Alcohol resistant foam, or dry chemical or foam.

**Hazards from combustion products**

This product will not burn with attempted ignition, but in extreme situations will carbonise (> 700 degrees).

**Hazardous Decomposition**

Carbon dioxide, carbon monoxide and other organic complexes of sulfur and nitrogen upon incomplete burning or oxidation.

**Hazardous Polymerisation**

Will not occur.

**Precautions for fire fighters and special protective equipment**

Fully self-contained breathing apparatus.

**Hazchem Code**

N/R

**6. ACCIDENTAL RELEASE MEASURES****Emergency Procedures**

This product will not burn, but in extreme temperatures (> 700 degrees) will carbonise. It is unlikely that this product will fuel a fire in progress. For surrounding fire, cool packaging with water spray, or foam. In extreme temperatures, some organic vapours may be produced. This product is low ash, and low vapour.

**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 presents no adverse health effects and can be applied liberally by hand if required. The product is an emolient, so will not dry or defat the skin, nor is it an eye irritant. It does not present any vapour hazards. Prevent packaging from physical damage, store in a cool, dry place and check packaging for leaks.

### Conditions for Safe Storage

This product requires no particular storage requirements. For all industrial products, keep out of direct sunlight or away from heat sources. Product is inert in its solid form and unlikely to interact with other chemicals. Will not burn.

### Incompatible Materials

None identified

## 8. EXPOSURE CONTROLS: PERSONAL PROTECTION

### National Exposure Standards

The time weighted average concentration (TWA) for the liquid component of this product is: Recommended: None specified, 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: Recommended: None specified, which is the maximum allowable exposure concentration at any time. The liquid product component of this product is isolated in an aerosol device.

### Biological Limit Values (BLV)

None specified

### Engineering Controls:

There are no prescriptive engineering controls for this product. It is recommended that standard industrial hygiene practices will be observed when using this product.

### Personal Protective Equipment

**Respiratory Protection:** Respiratory Protection: none applies.

**Eye Protection:** Eye Protection: none applies

**Skin/Body Protection:** Skin/Body Protection: none applies. It is expected that as in all workplaces, good industrial hygiene would be employed, e.g. wash hands after use and especially before eating.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical Value
Appearance	None	Brown, opaque solid
Boiling Range	°C	> 300
Density	g/ml	0.92
Flash Point	°C	> 150
Explosive Limits	%	Not determined.
<u>Solubility of Product</u>		
in Water	g/l	Immiscible.
in other solvents	(name)	Hydrocarbons, oils, plant oils, terpenes.
Autoignition Temperature	°C	> 700

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

None identified

### Hazardous reactions

Strong acids, bases and oxidisers, extreme heat > 700 degrees.

### Hazardous polymerisation

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Effects

#### **Ingestion**

May cause mild distaste on swallowing, but will not result in narcotic effects or poisoning. Eating large quantities of this product may result in gastric disturbances.

#### **Eye Contact**

Product is unlikely to present an irritant risk to eyes in normal use. Product will not cause irritation, but if in eyes, will result in blurred vision.

#### **Skin Contact**

Product is sticky and tacky. May be washed out with soap and water. Product has an emolient effect on skin (moisturises) and will provide a barrier to other chemicals.

#### **Inhalation**

Product cannot be inhaled and has mild to no vapours even at elevated temperatures. This product poses no inhalation risk or irritation.

### Chronic Effects

There are no chronic health effects with use of this product. The product is suitable for food contact use and is non-toxic on ingestion.

### Other Health Effects Information

None known.

### Toxicological Information

Oral LD<sub>50</sub>: No data; consider > 10 g/kg

Inhalation TC<sub>L0</sub>: No data; consider > 10 g/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity: Liquid Component (isolated)

#### **Aquatic Toxicity:**

Fish Toxicity LC<sub>50</sub>: No data; consider > 10 g/L

Daphnia Magna EC<sub>50</sub>: No data; consider > 10 g/L

Blue-green algae: No data; consider > 10 g/L

Green algae: No data; consider > 10 g/L

**Mobility/Biodegradability:** This product is unlikely to be mobile on release to the environment and does not bioaccumulate. This product is an animal fat and considered biodegradable.

### 13. DISPOSAL CONSIDERATIONS

**Disposal Methods**

Recycle or dispose to landfill, or dispose in accordance with the local authority.

**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 in accordance with the local authority, 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	Lubricant	Proper Shipping Name	Lubricant	Proper Shipping Name	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 Class N/R, packing group N/R, regulated for Transport via Road and Rail.

### 15. REGULATORY INFORMATION

**Country/Region:** Australia

**Inventory:** AICS

**Status:** Listed

**Poisons Schedule:** None

### 16. OTHER INFORMATION

**Reasons for Issue:** Reissue for GHS format update. Amalgamated changes in all sections.

**Abbreviations:**

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

IARC: International Agency for Research on Cancer

PPE: Personal Protective Equipment

N/R: Non-regulated

N/A: Not applicable

**References:**

- Supplier Safety Data Sheets
- <http://hsis.ascc.gov.au/SearchHS.aspx> (September 16)
- Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (September 16)
- Ecotoxicology data: [http://cfpub.epa.gov/ecotox/quick\\_query.htm](http://cfpub.epa.gov/ecotox/quick_query.htm) (September 16)

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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 Lanotec Australia Pty Ltd.

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