

SAFETY DATA SHEET

Heavy Duty (HD) Liquid Lanolin

Infosafe No.: 5GEX3
ISSUED Date : 23/09/2022
ISSUED by: Australian Chemical Services

Section 1 - Identification

Product Identifier

Heavy Duty (HD) Liquid Lanolin

Company Name

Lanotec Australia Pty Ltd (ABN 87 096 795 621)

Address

Unit 79
57-101 Balham Road Archerfield
QLD 4108 Australia

Telephone/Fax Number

Tel: +61 7 3373 3700

Fax: +61 7 3373 3777

Emergency Phone Number

0417 638 004

Recommended use of the chemical and restrictions on use

Food safe industrial lubricant and protection spray.

Additional Information

NZ Contact: Steelmasters, 79-81 O'Rorke Road, Penrose, 1061, Auckland, New Zealand.

NZ Emergency Contact: P 09 5798196, M 021757581

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Aspiration hazard: Category 1

Flammable liquids: Category 4

Signal Word (s)

DANGER

Hazard Statement (s)

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

Pictogram (s)

Health hazard



Precautionary Statement – Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Precautionary Statement – Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor
P331 Do NOT induce vomiting.
P370+P378 In case of fire: Use alcohol resistant foam, or dry chemical or foam to extinguish.

Precautionary Statement – Storage

P403 Store in a well-ventilated place.
P405 Store locked up.

Precautionary Statement – Disposal

P501 Dispose of contents/container to an approved waste disposal facility.

Precautionary Statement – General

P102 Keep out of reach of children.

Other Information

Note: This product has been classified as supplied. When used as directed, and the volatile substances have completely evaporated, the residue is non hazardous (non combustible). Refer to SDS for Lanotec Type A Grease for safety guidance on expected product residual.

Not classified as Dangerous Goods according to International Maritime Dangerous Goods Code (IMDG) and International Air Transport Association (IATA).

Section 3 - Composition and Information on Ingredients**Ingredients**

Name	CAS	Proportion
Lanolin	8006-54-0	30-60 %
Naptha (Petroleum), hydrotreated heavy	64742-48-9	30-60 %

Section 4 - First Aid Measures**Inhalation**

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

Ingestion

If swallowed, do NOT induce vomiting.

Skin

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

Eye

If in eyes wash out immediately with water.

First Aid Facilities

Ventilation and respiratory aid.

Advice to Doctor

Treat symptomatically.

Other Information

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

Section 5 - Firefighting Measures**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

Alcohol resistant foam, or dry chemical or foam.

Hazards from Combustion Products

This product is combustible and will fuel a fire in progress.

Specific hazards arising from the chemical

Hazardous decomposition: Carbon dioxide, carbon monoxide and other organic complexes upon incomplete burning or oxidation.

Other Information

C1 Combustible liquid.

Section 6 - Accidental Release Measures

Emergency Procedures

This product is combustible and will fuel a fire in progress. Observe standard operating procedures for managing a blaze involving chemicals which can emit toxic vapours. There are chemical reactions that can take place through hydrolysis (reactions with water vapour) creating corrosive mixtures, and vapour hazards. Heat and flame will accelerate the oxidation process which can result in hazardous decomposition mixtures: carbon dioxide and carbon monoxide. Ensure the extinguishing media and any fire-fighting run-off is contained from contributing to environmental contamination, other chemical reaction hazards in adjacent areas, or expansion of the fire-affected area.

Clean-up Methods - Large Spillages

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"

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"

Section 7 - Handling and Storage

Precautions for Safe Handling

Store in a well-ventilated area away from incompatible materials such as strong acids and bases and strong oxidising materials. Check containers for integrity periodically and vent containers in hot weather. Employ good industrial hygiene when using this product, i.e. wash hands before and after use.

Conditions for safe storage, including any incompatibilities

This product is combustible (C1 Combustible Liquid) and will fuel a fire in progress. Avoid extreme heat, direct sunlight, naked flames and ignition sources. Store any chemicals in bunded or designated areas. Take precautions against static discharge.

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values

The time weighted average concentration (TWA) for the liquid component of this product is: None specified; consider 5 g/m³, 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/m³, which is the maximum allowable exposure concentration at any time. The liquid product component of this product is isolated in an aerosol device.

Engineering Controls

The use of local exhaust ventilation is recommended to control process emissions near the source for this product when used as a aerosol. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof equipment for any atomised products such as aerosols.

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 and Face Protection

Consider using safety glasses or other eye protection

Personal Protective Equipment

Consider wearing long sleeves, long trousers, or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended to consider wearing protective gloves when handling this product.

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Liquid	Appearance	Brown, mobile liquid
Boiling Point	> 150°C	Solubility in Water	Immiscible
pH	Not determined	Vapour Pressure	Not available
Density	0.82-0.84 g/ml	Flash Point	> 75°C
Auto-ignition Temperature	> 250°C	Solubility in other solvents (kg/m ³)	Hydrocarbons, organic solvents

Section 10 - Stability and Reactivity

Chemical Stability

Stable at room temperature and pressure

Conditions to Avoid

Avoid strong oxidising agents, ignition sources, excessive heat and naked flames.

Hazardous Decomposition Products

Strong acids, bases and oxidisers, heat and ignition sources.

Section 11 - Toxicological Information

Toxicology Information

Oral LD50: No data; consider > 10 g/kg

Inhalation TClO: No data; consider > 10 g/kg

Ingestion

This product may cause discomfort on swallowing and result in gastric disturbances. Do not induce vomiting, but give water to drink. Avoid aspiration. Seek immediate medical advice.

Inhalation

This product may be irritating on inhalation or when working in confined spaces. Avoid inhaling mists of this product and do not concentrate vapours intentionally.

Skin

This product will have an emolient effect on the skin (moisturises) and will create a barrier to other chemicals.

Eye

This product will not be irritating to eyes, nor is there significant vapour. If the product is applied directly to the eyes, it will result in blurred vision and should be treated with first aid. There will be no permanent eye damage.

Chronic Effects

There are no chronic health effects with use of this product.

Section 12 - Ecological Information

Persistence and degradability

Information is not available for this specific product.

Mobility

This product is unlikely to be mobile on release to the environment and does not bioaccumulate. This product contains an animal fat that is considered biodegradable.

Environmental Protection

Prevent large amounts from entering waterways, drains and sewers.

Acute Toxicity - Fish

Fish Toxicity LC50: No data; consider > 100 mg/L

Acute Toxicity - Daphnia

Daphnia Magna EC50: No data; consider > 100 mg/L

Acute Toxicity - Algae

Blue-green algae: No data; consider > 100 mg/L

Green algae: No data; consider > 100 mg/L

Section 13 - Disposal Considerations

Disposal Considerations

This product must be disposed in accordance with the local authority in chemical waste management.

Special Precautions for Incineration or Landfill

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.

Section 14 - Transport Information

Transport Information

Where this material is stored, handled and used below its flashpoint it is not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. However, the material is classified as a Class C1 Combustible Liquid according to AS1940.

Not regulated for transport of Dangerous Goods: ADG7, UN, IATA, IMDG.

ADG U.N. Number

None Allocated

ADG Proper Shipping Name

None Allocated

ADG Transport Hazard Class

None Allocated

Section 15 - Regulatory Information

Regulatory Information

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia

Poisons Schedule

S5

HSNO Approval Number

HSR002602 Lubricants (Combustible) Group Standard 2017 (Flammable-Low Hazard 3.1D, Aspiration Hazard 6.1E, Skin Irritation 6.3A)

Australia (AICS/AIIC)

All ingredients listed.

Section 16 - Any Other Relevant Information

Date of Preparation

SDS reviewed: September 2022

Review date: September 2027

Supersedes: June 2018

Literature References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Globally Harmonised System of classification and labelling of chemicals.

Suppliers SDS.

Other Information

Controlled Document: LAN-0010 SDS-HD

Emergency Number: 0417 638 004

DO NOT MIX WITH OTHER CHEMICALS WITHOUT PRIOR CONSULTATION WITH THE MANUFACTURER. Always use product as directed. Never return any unused material to original drum.

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.

END OF SDS

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