

MATERIAL SAFETY DATA SHEET



Chem Pack Pty Ltd

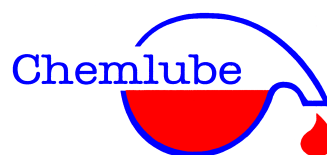
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incorporating

Citro-Clean Products & Chemlube

(Registered Business Names of Chem Pack Pty Ltd)



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LAN-O-LAN LUBRICANT AEROSOL SPRAY

This product is classed as a Dangerous Goods according to criteria of NOHSC.
This product is classified as a Dangerous Goods for transport by road and rail.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Supplier: Chem Pack Pty Ltd
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Substance: Chemlube Lan-O-Lan Lubricant Spray 400g Aerosol Spray
Product name: Lan-O-Lan Lubricant Spray
Product Use: Corrosion inhibitor, lubricant, anti-seize, water-proofing.
Creation Date: 01 April 2009

2. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended Use: To inhibit corrosion, lubricate and protect machinery from water .
Appearance: Cloudy golden brown coloured liquid , wool grease odour

Chemical Entity	CAS NO.	Proportion (% weight/weight)
Propane Butane Blend	68475-59-2	<30%
Petroleum Distillate, hydrotreated light	64742-47-8	30-60%
Wool Grease	N/Av	<30%

3. HAZARDS IDENTIFICATION

Poisons Schedule: Schedule 5
Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.
Dangerous Goods Class: Class 2.1 Flammable Gas
Hazchem Code: 2Y
Hazard Category: X_n Harmful
Risk Phrases: R65 – Harmful; may cause lung damage if solvent is aspirated into lungs.

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Safety Phrases: S2 – Keep Out of the Reach of Children

S23 – Do not breathe vapour/mist

S24 – Avoid contact with skin.

S62 – If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

A. EMERGENCY OVERVIEW:

Flammable gas – aerosol cans may explode in fore situations.

Prolonged spraying onto skin, or directly into eyes may cause freezing of tissue, resulting in frost bite- type injury. Risk of lung damage if solvent aspirated into lungs.

Warning statements:

Based on available information, classified as hazardous according to health criteria of NOHSC Australia.

B. POTENTIAL HEALTH EFFECTS:

Eye: Vapour may cause eye irritation. Spraying directly into eyes may cause sever damage.

Skin: May cause mild irritation. Prolonged spraying onto skin may cause freezing of tissue resulting in frost bite-type injury.

Inhalation: Vapour concentrations may result in possible headaches, dizziness and nausea and drowsiness.

Ingestion: Harmful if swallowed. Aspiration into the lungs may cause chemical pneumonitis and lung damage.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting, as aspiration may occur and cause lung damage. SEEK MEDICAL ATTENTION IMMEDIATELY.

Eye contact: Flush immediately with water while holding eyelids open for several minutes. If persistent irritation after 30 min rest occurs seek medical assistance.

Skin contact: Remove contaminated clothing. Wash skin with water using soap if available.

Inhalation: Remove from exposure immediately. If rapid recovery does not occur, obtain medical attention.

Notes to physician: Treat as exposure to hydrocarbon propellants and petroleum distillates.

5. FIRE-FIGHTING MEASURES

Flash Point: Propellant - 81°C , Active -30°C

Flammability Limits: (% Vol): Lower: 1, Upper: 7.5%

Suitable extinguishing media: Foam. Dry chemical powder, carbon dioxide, water fog, sand or earth may be used for small fires only.

Hazards from combustion products: Carbon Monoxide, carbon dioxide, nitrogen oxides and smoke may be released in fire.

Precautions for Firefighters and Special Protective Equipment

Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible. In case of fire, use Self Contained Breathing Apparatus and full protective clothing. Use water sprays to cool fire exposed containers.

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6. ACCIDENTAL RELEASE MEASURES

Spill from an aerosol can is unlikely. A leaking can should be placed outside in the open until the can is empty. Inside eliminate all sources of ignition. Ventilate area. Note that propellant vapour is heavier than air and will settle at lowest point, eg. drains ditches etc.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid using in a confined space. Avoid handling product near extreme heat or ignition sources. However on application, the propellant and solvent evaporate (min 2 hours depending on the ambient temperature). Therefore treated items should not present a flammability hazard, when dry.

Precautions for Safe Storage: Flammable gas – must be stored in accordance with government regulations for aerosols. Must not be stored with Dangerous Goods as listed in section 14. Do not cut or incinerate empty containers. Schedule 5 poison- must be stored in accordance with state poisons regulations. Keep away from ignition sources.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits

TWA (8 h) = 50 ppm

TWA (8 h) = 176 mg/m³

Engineering measures: Keep away from sunlight, heat or sources of ignition. Use only with adequate ventilation.

Personal protection equipment: Use suitable protective equipment to avoid eye and skin contact. If necessary use respirator to avoid breathing in vapours in confined spaces.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Cloudy golden brown coloured liquid , wool grease odour

Specific Gravity (15°C):	0.81-0.83 @ 20°C	Melting Point (°C):	N App
Rel. Vapour Density (air=1):	N Av	Boiling Point (°C):	<0°C (propellant)
Vapour Pressure (15°C):	Typical, 34.5 kPa	Decomp. Point (°C):	N Av
Sublimation Point:	N App	pH (1% aqueous soln):	N Av
Autoignition Temp (°C):	N Av	Viscosity (20°C):	N Av
% Volatile by volume:	N Av	Evaporation Rate:	N Av
Solubility in water:	Very low		

(Typical values only - consult specification sheet)
N Av = Not available N App = Not applicable

10. STABILITY AND REACTIVITY

Stability: Stable under anticipated conditions of storage and handling.

Conditions to Avoid: Heat, flames and sparks.

Hazardous polymerisation: Will not occur.

11. TOXICOLOGICAL INFORMATION

No specific information is available for Lan-O-Lan Lubricant Spray. Information presented is for the propellant and solvent. No adverse effects are expected if handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled or overexposure occurs are:

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Ingestion: Swallowing can result in nausea, vomiting and central nervous system depression (like drunkenness). If victim is showing signs of central nervous system depression there is greater likelihood of inhaling vomit and damaging lungs

Eye contact: Vapour may cause eye irritation. Spraying directly into eyes may cause severe damage.

Skin Contact: Contact with skin may cause irritation. Will have a degreasing action on the skin. Prolonged spraying onto skin may cause freezing of tissue resulting in frost bite-type injury.

Inhalation: Breathing in vapours may result in possible headaches, dizziness and nausea and drowsiness. High concentrations may cause central nervous system depression, which can lead to loss of coordination, impaired judgment and possible loss of consciousness.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No specific data is available for Lan-O-Lan Lubricant Spray. Principle ingredients are wool grease hydrocarbon solvent and propellant. Wool grease is not regarded as hazardous. Both propellant and solvent evaporate after application, leaving behind a coating of lanolin. Hence treated items should not present an aquatic hazard once dried.

13. DISPOSAL CONSIDERATIONS

Do not puncture or incinerate cans even when empty. Recycle empty cans if facility is available, otherwise cans may be disposed of in household garbage.

14. TRANSPORT INFORMATION

DG Class: Class 2.1 Flammable Gas
UN Number: 1950
Class: 2Y
Packing Group: II
Proper Shipping Name: AEROSOLS
Segregation: May not be loaded in the same vehicle or freight container (without appropriate segregation) with dangerous goods of the following classes: Class 1: Explosives; Class 4 Flammable Solids; Class 5 Oxidising Agents; Class 7: Radioactive Substances.

Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Based on available information, classified as dangerous goods according to health criteria of NOHSC Australia.

Poisons Schedule (Aust)/Toxic Substance (NZ): Schedule 5

16. OTHER INFORMATION

Any advice, recommendation, information, assistance or service provided by Chem Pack Pty Ltd in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, it is provided with a disclaimer for any liability or responsibility on the part of Chem Pack Pty Ltd. The customer accepts all risk and responsibility for use of the goods

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alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated, and when implied by statute, common law, custom of the trade or otherwise, are to the extent that the law permits, expressly excluded.