



MATERIAL SAFETY DATA SHEET

Classified as hazardous according to criteria of NOHSC
Classified as Dangerous Goods according to ADG Code

Section 1: IDENTIFICATION

LANOMAX LANOLIN AEROSOL

Recommended Use: Lubricant, Rust Inhibitor and water proofing

Product Code: 6103

UN Number : 1950

Dangerous Goods Class: Class 2.1 Flammable Gas

Hazchem Code: 2Y

Poisons Schedule No: 5

Sierra (Aust) Pty Ltd (A.C.N. 51 101 066 022)

Postal Address: P. O. Box 563 Virginia QLD 4014

Telephone Number: (617) 3216 5099 Facsimile: (617) 3216 5199

Emergency Telephone Number: Poisons Information Centre (National) 131126

Section 2: HAZARDS

Poisons Schedule:	5
Dangerous Goods Class:	Class 2.1 Flammable Gas
UN Number:	1950
Sub Risk Class:	Not applicable
Hazchem Code:	2Y
Hazard Category:	X _n Harmful
Risk Phrases:	R65 – Harmful: may cause lung damage if solvent is aspirated into lungs.
Safety Phrases:	S2 – Keep out of 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.
Overview:	Flammable gas – aerosol cans may explode in fire. Prolonged spraying onto skin or into eyes may cause freezing of tissue, resulting in frost bite type of injury. Risk of lung damage if solvent is aspirated into lungs.
Potential Health Effects:	
Acute:	Inhalation: Vapour concentrations may result in possible Headaches, dizziness and nausea and drowsiness.
	Skin: May cause mild skin irritation. Prolonged spraying onto skin May cause freezing of tissue, resulting in frost bite type of Injury.
	Eye: Vapour may cause moderate eye irritation. Spraying directly into eyes may cause severe damage.

Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Liquid Hydrocarbons	64742-48-9	40 -70%
Lanolin Anhydrous	8006-54-0	20 – 40
Hydrocarbon Propellant	68131-75-9	20 – 40%

Section 4: FIRST AID

Eye (Contact)	Flush with water for several minutes. Seek urgent medical advice.
Skin (Contact)	Remove contaminated clothing. Wash with plenty of soap and water. If in contact with liquefied contents, warm up gently and seek medical advice. Do not use iced water.
Inhalation(Breathing)	Remove to fresh air. Seek medical advice if effects persist or aspiration has occurred.
Ingestion (Swallowing)	Do not induce vomiting, as aspiration may occur and cause lung damage. Give a glass of water. Contact a doctor or poisons information centre 131126.
Advice to Doctor	Treat as for exposure to hydrocarbon propellants and distillates.
First Aid Facilities	Eyewash bottle or basin.

Section 5: FIREFIGHTING MEASURE

Flashpoint:	Less than 60° C (propellant)
Autoignition Point:	482 - 549° C (propellant)
Flammability Limits:	1.8 – 9.6% in air (propellant)
Specific Hazards:	Highly flammable gas. Solvent vapours may form explosive mixtures with air. Pressurised containers may explode in fire situations.
Degree of fire /explosion hazard:	High fire hazard when sprayed near heat or flame. High explosion hazard if product is involved in a fire.
Extinguishing Media:	Dry chemical powder, foam, carbon dioxide, water fog
Hazardous decomposition Products:	Carbon dioxide, carbon monoxide, nitrogen oxides and smoke may be released in fire.
Special fire-fighting Procedures:	Wear self contained breathing apparatus and protective clothing. Use water sprays to cool fire exposed containers. Vapours of this product are heavier than air and may collect in ditches, drains etc, forming potentially explosive mixtures.

Section 6: ACCIDENTAL RELEASE MEASURES

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

Section 7: HANDLING AND STORAGE

Handling advice:	Avoid using in a confined space. Avoid handling product near extreme heat or ignition sources. However on application, the propellant and hydrocarbon solvent evaporates (1 – 2 hrs), therefore treated items should not present a flammability hazard once dried.
Storage Advice:	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.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Guidelines: The following occupational exposure standards are assigned by NOHSC for the ingredients in this product.

Ingredient	8 hr TWA	STEL
Butane	800 ppm or 1900 mg/m ³	Not set
Liquid Hydrocarbon	200 ppm	Not set

Biological Limit Values	Not available.
Engineering Controls	Keep away from sunlight, heat and sources of ignition. Use only with adequate ventilation.
Personal Protective Equipment	Use suitable protective equipment to avoid skin and eye contact.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Brown transparant liquid	Flammability Limits: 1.8 – 9.6% in air (propellant)
Odour Slight wool fleece odour and solvent odour	Flash point: Less than -60°C (propellant)
Specific Gravity: 0.81 – 0.83 @ 24°C	Autoignition point: 482 - 549°C (propellant)
Vapour Pressure: >300 kPa (propellant)	Vapour Density: >1 (relative to air = 1)

Solubility: Very low.

Section 10: STABILITY AND REACTIVITY

Stability:	Stable; unlikely to spontaneously decompose
Conditions to Avoid:	Flammable gas – avoid heat, flames and ignition sources.
Hazardous Polymerisation:	Will not occur.

Section 11: TOXICOLOGICAL INFORMATION

No specific data is available for Lanomax lanolin aerosol. Information presented is for the propellant and hydrocarbon ingredient. No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled or overexposure occurs are;

Ingestion:	Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like drunkenness) there is greater likelihood breathing in vomit and thus, damaging the lungs.
Eye Contact:	Vapour may cause moderate eye irritation. Spraying directly into eyes may cause tissue damage.
Skin Contact:	Contact with skin may cause irritation. Prolonged spraying onto skin may cause freezing of tissue, resulting in frost bite type of injury.
Inhalation:	Breathing in vapour can result in headaches, dizziness, drowsiness and nausea. High concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgment and possible unconsciousness.

Section 12: ECOLOGICAL INFORMATION

No specific data is available for Lanomax lanolin aerosol. Principle ingredients are lanolin, hydrocarbon solvent and propellant. Lanolin is not regarded as hazardous. No specific eco-toxicity data is available on the hydrocarbon solvent, such compounds are generally regarded as hazardous to aquatic environments. However both propellant and solvent evaporate after application, leaving behind a coating of lanolin. Therefore, treated items should not present an aquatic hazard once they have dried.

Section 13: DISPOSAL CONSIDERATIONS

Do not puncture or incinerate cans, even when empty. Recycle empty cans if a facility is available, otherwise empty cans may be disposed of in household garbage. Do not hose spills down drains, sewers or waterways.

Section 14: TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

DG Class: Class 2.1 ; Flammable Gas
UN Number: 1950
Hazchem Code: 2Y
Packing Group III
Proper Shipping Name: AEROSOL
Segregation: May not be loaded in the same vehicle or freight container (without appropriate segregation) with dangerous goods of the following classes; Class 1, Class 4, Class 5, Class 7.

Section 15: REGULATORY INFORMATION

Poisons Schedule: Schedule 5
Dangerous Goods: Regulated under the Australian Dangerous Goods Code and under State/Territory Storage of Dangerous Goods Regulations.
Hazardous Substance: Category: X_n Harmful
Risk Phrases: R65 – Harmful, may cause lung damage if swallowed
Safety Phrases: S2 – Keep out of reach of children
 S23 – Do not breathe vapour
 S24 – Avoid contact with skin
 S62 – If swallowed do not induce vomiting; seek medical advice

Section 16: OTHER INFORMATION

Poisons Information Centre 13 11 26

SierraContact Details: G. Macdonald
 Sierra (Aust) Pty Ltd
 17 Delta Street
 GEEBUNG QLD 4034
 Ph (07) 3216 5099

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Every endeavor has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Sierra Pty Ltd accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Federal, State and Local Government regulations.