

1. Statement of Hazardous Nature, Chemical Product and Company Identification

**Classified as hazardous according to criteria of NOHSC
Not classified as a dangerous goods according to the ADG Code**

Product name: **Lanolin Based Release Agent**
 Manufacturer's Code: RA
 Product Use: Release agent for concrete and plastic
 Company: Lanotec Australia Pty Ltd
 ABN: 87 096 795 621
 Address: 1317 Ipswich Road, Rocklea Qld 4106
 Telephone: 07 3373 3700 (office hours)
 Facsimile: 07 3373 3777

2. Composition/Information on Ingredients

<i>Chemical</i>	<i>CAS Number</i>	<i>Proportion</i>
Hydrotreated heavy naphtha	64742-48-9	40 - 80%
Lanolin anhydrous	8006-54-0	20 - 60%
C12-C15 alcohols, ethoxylated with 4 moles of ethylene oxide	68131-39-5	< 5%
Other ingredients determined not to be hazardous		to 100%

3. Hazards Identification

Poisons Schedule: 5
 Dangerous Goods Class: Not a dangerous good
 UN Number: Not applicable
 Hazchem Code: Not applicable
 Hazard Category: Xn 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 and show this container or label.

Emergency Overview: Light brown liquid – Combustible
 Potential Health Effects:

Acute:
 Inhalation: Vapour concentrations may result in possible headaches, dizziness and nausea.
 Skin: May cause mild skin irritation.
 Eye: Liquid and vapour may cause moderate eye irritation.
 Ingestion: Harmful if swallowed. Vomit entering the lungs by aspiration may cause chemical pneumonitis and lung damage.

4. First Aid Measures

Inhalation: Remove to fresh air. Keep at rest until fully recovered. Seek medical advice if effects persist or aspiration has occurred.
 Skin contact: Remove contaminated clothing. Wash with plenty of soap and water.
 Eye contact: Immediately flush with plenty of water for several minutes. If irritation occurs and persists, seek medical advice.
 Ingestion: Do not induce vomiting, as aspiration may occur and cause lung damage. Give a glass of water. Contact a doctor or Poisons Information Centre on 131126.
 First Aid Facilities: Safety shower and eye wash basin desirable.
 Note to Medical Personnel: Treat as for exposure to petroleum distillates and related hydrocarbons.

5. Fire Fighting Measures

Flashpoint :	> 83°C
Auto-ignition Point:	> 200°C
Flammability Limits (%):	LEL = 0.6%; UEL = 7.0%
Specific Hazards	Solvent is a combustible liquid.
Degree of fire/explosion hazard:	Slight fire hazard when exposed to heat or flame
Extinguishing media:	Dry chemical powder, foam, carbon dioxide, water fog.
Hazardous decomposition products:	Carbon monoxide and carbon dioxide may be released in fire.
Special fire-fighting procedures:	Wear self-contained breathing apparatus. Use water sprays to cool fire exposed containers.

6. Accidental Release Measures

Slippery when spilled. Clean up immediately. Use protective clothing to avoid skin and eye contact. Ventilate area thoroughly and wear a ventilator if necessary to minimise inhalation. Eliminate all sources of ignition and do not smoke. Move leaking containers to well-ventilated area. Small spills can be wiped up. Large spills should be dammed. Absorb spills with dirt, sand or other suitable absorbents for disposal. Prevent entry into drains, sewers and waterways.

7. Handling and Storage

Handling Advice:	Avoid handling product near extreme heat or ignition sources. However, on application, the hydrocarbon solvent evaporates (minimum 1-2 hours depending on ambient temperature). Therefore, treated items should not present a flammability hazard, once they have dried.
Storage Advice:	Combustible liquid - must be stored in combustible liquid stores complying with government regulations Do not cut or weld empty containers. Schedule 5 poison - must be stored in accordance with State poisons regulations. Avoid excess heat. Keep away from ignition sources.

8. Exposure Controls / Personal Protection

Exposure Guidelines:	No occupational exposure standards have been assigned by NOHSC in Australia for any of the ingredients in this product. It is recommended that the Time Weighted Average (TWA) is 200 ppm, based on the total hydrocarbon content.
Engineering controls:	Keep away from heat and sources of ignition. Use only with adequate ventilation. Keep containers closed when not in use.
Personal Protective Equipment:	Use suitable protective equipment to avoid skin and eye contact

9. Physical and Chemical Properties

Appearance:	Light brown liquid
Odour:	Distinctive wool fleece odour and solvent odour
Boiling point:	110 - 200°C (approx)
Specific Gravity:	0.83 @ 24°C (relative to water = 1)
Vapour pressure:	0.6 @ 38°C
Solubility:	Miscible
Flammability Limits:	0.6 - 7.1%
Flash Point:	> 83°C
Auto-ignition Point:	> 200°C
Vapour Density:	> 1 (relative to air = 1)

10. Stability and Reactivity

Stability:	Stable to heat and light. Incompatible with strong oxidising agents.
Conditions to avoid:	Combustible liquid - avoid extreme heat, flames, ignition sources.
Hazardous polymerisation:	Will not occur

11. Toxicological Information

No specific data is available for Release Agent. Information presented is for the 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 and overexposure occurs are:

Ingestion:	Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central nervous system depression (like those of drunkenness) there is greater likelihood breathing in vomit and thus, damaging the lungs.
Eye contact:	May be an eye irritant.
Skin contact:	Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Repeated exposure may cause skin dryness or cracking.
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 coordination, impaired judgement and possible unconsciousness.
Long Term Effects:	Toxicological Data:
No information available for the product.	No LD50 data available for the product.

12. Ecological Information

No specific data is available for Release Agent. Principal ingredients are lanolin, solvent and surfactant. Lanolin is biodegradable and is not regarded as hazardous. Ethoxylated alcohol is very toxic to aquatic organisms. Release Agent contains less than 5% ethoxylated alcohol. While no specific eco-toxicity data is available on the hydrocarbon solvent, such compounds are generally regarded as hazardous to aquatic environments. However, the solvent evaporates after application, leaving behind a coating of lanolin. Therefore, treated areas should not present an aquatic hazard, once they have dried.

13. Disposal

Do not hose spills down drains, sewers or into waterways. Contact local waste disposal authority for advice, or pass to a licensed waste disposal company for disposal.

14. Transport Information

DG Class:	Not a dangerous good
UN No.:	Not applicable
Hazchem Code	Not applicable
Packaging Group:	Not applicable
Proper Shipping Name:	Not applicable

15. Regulatory Information

NRA:	Not required
TGA:	Not required
Poisons schedule:	Schedule 5
Hazardous substance:	Category: Xn 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 immediately and show this label.

16. Other Information

References:	<i>Industrial Organic Solvents</i> . by NOHSC Material Safety Data Sheet 6/02 Material Safety Data Sheets - Ingredients List of Designated Hazardous Substances [NOHSC:10005 (1995)] Australian Dangerous Goods Code, 6th Ed. Standard for the Uniform Scheduling of Drugs & Poisons. No 17.
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This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.