

# Material Safety Data Sheet

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Infosafe No.	LPUKR	Issue Date : June 2005	ISSUED by ENVIROOI
Product Name :	ENVIROLUBE LCX 2		

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

Product Name	ENVIROLUBE LCX 2
Company Name	Enviro Oil Co of Australia
Address	12 Tryon Road Lindfield NSW 2070 Australia
Emergency Tel.	02 9416 5418; 24hr
Telephone/Fax Number	Tel: 02 9416 0628 Fax: 02 9416 2583
Recommended Use	Lubricating grease.

## 2. HAZARDS IDENTIFICATION

Hazard Classification	NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition	Contains petroleum distillates and additives.		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Ingredients determined not to be hazardous	Not required	100 %

## 4. FIRST AID MEASURES

Inhalation	Remove affected person from contaminated area and if irritation persists, seek medical advice. If not breathing apply artificial respiration and seek urgent medical advice.
Ingestion	Do NOT induce vomiting. Wash out mouth with water and give plenty of water to drink. Seek immediate medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention. INJECTION INJURY WARNING: If material is injected under skin, seek medical attention to prevent serious damage. Do not wait for symptoms to develop.
Eye	If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.
First Aid Facilities	Eye wash station and normal washroom facilities.
Advice to Doctor	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use water, foam, carbon dioxide or dry chemical to extinguish fire.
Hazards from Combustion Products	Combustion products may include oxides of carbon, sulphur and phosphorus.
Specific Hazards	Volume and pressure increases strongly when heated. Risk of container explosion in fire.
Hazchem Code	None Allocated
Precautions in connection with Fire	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste
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according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Use in a well ventilated area. DO NOT store or use in confined spaces. Build up of mists or vapours in the atmosphere must be prevented. Avoid breathing in spray or mists or vapours. Do not use near welding or other ignition sources and avoid sparks. Do not smoke. When dealing with large quantities, repeated or prolonged skin exposure without protection should be prevented in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or using toilet facilities.
<b>Conditions for Safe Storage</b>	Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all State and Federal regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>National Exposure Standards</b>	No exposure standards have been established for this material, however, the TWA National Occupational Health And Safety Commission (NOHSC) exposure standards for oil mist is 5 mg/m <sup>3</sup> . As with all chemicals, exposure should be kept to the lowest possible levels.
<b>Biological Limit Values</b>	No biological limit allocated.
<b>Engineering Controls</b>	Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required. Refer to AS1940 - The storage and handling of flammable and combustible liquids and AS2430 - Explosive gas atmospheres for further information concerning ventilation requirements.
<b>Respiratory Protection</b>	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.
<b>Eye Protection</b>	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
<b>Body Protection</b>	Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Smooth tacky blue grease.
<b>Odour</b>	Mild petroleum odour.
<b>Melting Point</b>	Not applicable.

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<b>Boiling Point</b>	>170°C
<b>Solubility in Water</b>	Insoluble.
<b>Specific Gravity</b>	0.90 (15°C)
<b>pH Value</b>	Not applicable.
<b>Vapour Pressure</b>	0.01kPa (25°C)
<b>Vapour Density (Air=1)</b>	Not available.
<b>Flash Point</b>	>180°C (Closed Cup)
<b>Auto-Ignition Temperature</b>	400°C
<b>Flammable Limits - Lower</b>	Not available.
<b>Flammable Limits - Upper</b>	Not available.
<b>Kinematic Viscosity</b>	50-300 cSt (@ 40°C) 7-20 cSt (@ 100°C)

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid</b>	Heat, direct sunlight, open flames or other sources of ignition.
<b>Incompatible Materials</b>	Strong oxidising agents and acids.
<b>Hazardous Decomposition Products</b>	Thermal decomposition and combustion produce noxious fumes containing oxides of carbon, sulphur and phosphorus.
<b>Hazardous Reactions</b>	Hazardous polymerisation will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Inhalation</b>	Inhalation of product vapours or mists may cause irritation of the nose, throat and respiratory system.
<b>Ingestion</b>	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
<b>Skin</b>	May cause redness, itching and irritation.
<b>Eye</b>	May cause eye irritation, tearing, stinging, blurred vision, and redness.
<b>Chronic Effects</b>	Prolonged and/or repeated skin contact with this product may cause drying and defatting, possibly leading to dermatitis.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	No data available for this specific material.
<b>Persistence / Degradability</b>	No data available for this specific material.
<b>Mobility</b>	No data available for this specific material.
<b>Environ. Protection</b>	Do not allow product to enter drains, waterways or sewers.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations</b>	Dispose of waste according to EPA, federal, state and local regulations.
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## 14. TRANSPORT INFORMATION

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<b>Transport Information</b>	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>U.N. Number</b>	None Allocated
<b>Proper Shipping Name</b>	None Allocated
<b>DG Class</b>	None Allocated
<b>Hazchem Code</b>	None Allocated

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**Packing Group**            None Allocated

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## 15. REGULATORY INFORMATION

**Poisons Schedule**        Not Scheduled

**AICS (Australia)**        All components in this product are listed on AICS (Australian Inventory of Chemical Substances).

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## 16. OTHER INFORMATION

**Date of preparation**      MSDS Creation: June 2005.

**or last revision of**

**MSDS**

...End Of MSDS...