

# Material Safety Data Sheet

Page: 1 of 4

Infosafe No. LPTFW Issue Date : August 2004 ISSUED by ENVIROOI

Product Name : **ENVIROLUBE CHAINBAR 100**

Not classified as hazardous according to criteria of NOHSC

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

**Product Name** ENVIROLUBE CHAINBAR 100  
**Product Use** Heavy duty chain and guide bar lubricant for chainsaws.  
**Company Name** Enviro Oil Co of Australia  
**Address** 12 Tryon Road Lindfield  
NSW 2070 Australia  
**Emergency Tel.** 02 9416 5418; 24hr  
**Telephone Number/Fax** Tel: 02 9416 0628 Fax: 02 9416 2583

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Distillates, Petroleum, Solvent Dewaxed Heavy Paraffinic	64742-65-0	60-100 %
	Residual oils (petroleum), solvent dewaxed	64742-62-7	10-30 %
	Other ingredients determined not to be hazardous	Not required	Balance

## 3. HAZARDS IDENTIFICATION

Not classified as hazardous according to the criteria of the NOHSC.  
Not classified as dangerous goods according to the ADG Code.

**RISK PHRASES:**  
Not applicable.

**SAFETY PHRASES:**  
Not applicable.

**Other Information** Note: In accordance with Note L of the NOHSC Designated List of Hazardous Substances, the manufacturer has had this product tested in accordance with IP346. This product contains less than 3% polyaromatics and is therefore non hazardous.

## 4. FIRST AID MEASURES

**Inhalation** Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. Apply artificial respiration if not breathing. Seek medical attention.

**Ingestion** DO NOT induce vomiting. Immediately wash mouth out with water. Seek immediate medical attention.

**Skin** Remove contaminated clothing and wash before re-use. Wash thoroughly with soap and water. If irritation develops, seek medical attention.

**Eye** If contact with the eye(s) occur, wash with copious amounts of water, holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation develops, seek medical attention.

**First Aid Facilities** Eye wash and normal wash room facilities.

**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media** In case of fire, use water fog, dry chemical or fine water spray. DO NOT use water jet.

**Specific Hazards** Combustible liquid. This product will burn if exposed to fire.

**Hazardous Combustion Products** Oxides of carbon.

**Precautions in connection with Fire** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

# Material Safety Data Sheet

Infosafe No. LPTFW Issue Date : August 2004 ISSUED by ENVIROOI

Product Name : ENVIROLUBE CHAINBAR 100

Not classified as hazardous according to criteria of NOHSC

## 6. ACCIDENTAL RELEASE MEASURES

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 according to federal, Environmental Protection Authority and state regulations. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## 7. HANDLING AND STORAGE

**Handling** Repeated or prolonged contact with this material should be avoided 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 or going to the toilet. Build-up of mists in the working atmosphere must be prevented. Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue may ignite with explosive violence if heated sufficiently. Do not pressurise or expose to open flame or heat. Keep container closed and bung in place.

**Storage** 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

**National Exposure Standards** No exposure standards have been established for this material by the Australian National Occupational Health & Safety Commission (NOHSC). However, the exposure limits for refined mineral oil mist are as follows:

Australian National Occupational Health And Safety Commission (NOHSC) Exposure Standards:

Substance	STEL		TWA	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Oil mist	-	-	-	5

**Other Exposure Information** As published by the National Occupational Health and Safety Commission (NOHSC):

TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals They are not a measure of relative toxicity.

**Respiratory Protection** Avoid breathing of vapours/mists. Where ventilation is inadequate and vapours/mists are generated, the use of an approved respirator with filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended; however 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.

# Material Safety Data Sheet

Infosafe No.	LPTFW	Issue Date : August 2004	ISSUED by ENVIROOI
--------------	-------	--------------------------	--------------------

Product Name : **ENVIROLUBE CHAINBAR 100**

Not classified as hazardous according to criteria of NOHSC

<b>Eye Protection</b>	Chemical safety glasses or face shield recommended as appropriate. Final choice of appropriate eye/face protection will vary according to individual circumstances including methods of handling or engineering controls as determined by appropriate risk assessments. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Impervious gloves recommended as appropriate. Final choice of appropriate glove type will vary according to individual circumstances, including methods of handling or engineering controls as determined by appropriate risk assessments. Refer to AS/NZS 2161 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.
<b>Eng. Controls</b>	Provide sufficient ventilation to keep airborne levels to least possible levels. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, exhaust ventilation system is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Amber liquid.
<b>Odour</b>	Not available.
<b>Melting Point</b>	Not applicable.
<b>Boiling Point</b>	Not available.
<b>Solubility in Water</b>	Insoluble
<b>Specific Gravity (H<sub>2</sub>O=1)</b>	0.887 @ 15°C
<b>pH Value</b>	Not available.
<b>Vapour Pressure</b>	Not available.
<b>Vapour Density (Air=1)</b>	Not available.
<b>Flash Point</b>	> 180°C (Closed Cup)
<b>Flammability</b>	Combustible. Avoid sources of ignition, heat and naked flames.
<b>Ignition Temperature</b>	Not available.
<b>Flammable Limits LEL</b>	Not available.
<b>Flammable Limits UEL</b>	Not available.
<b>Kinematic Viscosity</b>	100 cSt @ 40°C 11 cSt @ 100°C

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Materials to Avoid</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Carbon monoxide and carbon dioxide.
<b>Hazardous Reaction</b>	May react with strong oxidising materials.
<b>Conditions to Avoid</b>	Heat, direct sunlight, open flames or other sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	No toxicology data available for this product.
<b>Inhalation</b>	Inhalation of product vapours 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 irritation to skin, which can result in redness and itching.
<b>Eye</b>	May cause eye irritation, tearing, stinging, blurred vision, and redness.

# Material Safety Data Sheet

Page: 4 of 4

Infosafe No.	LPTFW	Issue Date : August 2004	ISSUED by ENVIROOI
--------------	-------	--------------------------	--------------------

Product Name : **ENVIROLUBE CHAINBAR 100**

Not classified as hazardous according to criteria of NOHSC

<b>Chronic Effects</b>	There are no known chronic health effects associated with this material.
<b>Carcinogenicity</b>	The base oil component(s) are not expected to be carcinogenic based on IARC criteria.

## 12. ECOLOGICAL INFORMATION

<b>Environ. Protection</b>	Avoid contaminating waterways.
<b>Mobility</b>	No data is available for this material.
<b>Persistence / Degradability</b>	No data is available for this material.
<b>Ecotoxicity</b>	No data is available for this material.

## 13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, EPA, state and local regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise combustible nature.

## 14. TRANSPORT INFORMATION

	Not classified as Dangerous Goods 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
<b>Packing Group</b>	None Allocated

## 15. REGULATORY INFORMATION

<b>Poisons Schedule</b>	Not Scheduled
-------------------------	---------------

## 16. OTHER INFORMATION

<b>SDS History</b>	MSDS creation: August 2004 ...End Of MSDS...
--------------------	---