

# Material Safety Data Sheet

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Infosafe No. LPSP2 Issue Date : January 2005 ISSUED by ENVIROOI

Product Name : ENVIROLUBE HLP-HM SERIES

Not classified as hazardous according to criteria of NOHSC

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

**Product Name** ENVIROLUBE HLP-HM SERIES  
**Product Use** High Performance Hydraulic Oil.  
**Company Name** Enviro Oil Co of Australia  
**Address** 12 Tryon Road Lindfield  
NSW 2070 Australia  
**Emergency Tel.** 02 9416 5418; 24hr  
**Telephone** Tel: 02 9416 0628 Fax: 02 9416 2583

| <b>Other Names</b> | <u>Name</u>              | <u>Product Code</u> |
|--------------------|--------------------------|---------------------|
|                    | ENVIROLUBE HLP-HM 46, 68 |                     |

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Information on Composition** Contains petroleum distillates and additives.

| <b>Ingredients</b> | <u>Name</u>                                | <u>CAS</u>   | <u>Proportion</u> |
|--------------------|--|--------------|-------------------|
|                    | Ingredients determined not to be hazardous | Not required | 100 %             |

## 3. HAZARDS IDENTIFICATION

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

**Risk Phrases**  
Not applicable

**Safety Phrases**  
Not applicable

## 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 facemask if breathing is difficult. Seek medical attention.

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

**Skin** Remove contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If irritation develops, seek medical attention.

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

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

**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media** Carbon dioxide, dry chemical, foam or water fog.  
Do NOT use water jets. Cool fire exposed containers with water fog.

**Specific Hazards** Combustible C2 liquid. Fire-exposed container may rupture/explode.

**Hazardous Combustion Products** Under fire conditions this product may emit toxic and/or irritating fumes including oxides of carbon.

**Precautions in connection with Fire** Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing should be worn to minimise exposure.

## 6. ACCIDENTAL RELEASE MEASURES

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Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure. If possible contain the spill. Place inert, non combustible, absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## 7. HANDLING AND STORAGE

**Corrosiveness** Not corrosive to aluminium.

**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** Combustible C2 liquid for storage and handling purposes. Store in a cool, dry, well-ventilated area, out of direct sunlight. Avoid sparks, flames, and other ignition sources. Store away from incompatible materials such as materials that support combustion (oxidising materials). Reference should be made to Australian Standard AS1940- The storage and handling of flammable and combustible liquids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC).

**Respiratory Protection** 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 dependent 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.

**Eye Protection** 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.

**Hand Protection** 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.

**Body Protection** 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.

**Eng. Controls** Natural ventilation should be sufficient, however where vapours or mists are generated the use of a local exhaust ventilation system (drawing vapours/mists away from workers breathing zone) is recommended.

**Other Information** No biological limit allocated.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Amber oily liquid.

**Melting Point** Not available.

**Boiling Point** Not available.

**Solubility in Water** Insoluble

**pH Value** Not available

**Vapour Pressure** Not available

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|                               |  |
|-------------------------------|--|
| <b>Vapour Density (Air=1)</b> | Not available  |
| <b>Density</b>                | ISO 46 = 0.872<br>ISO 68 = 0.875   |
| <b>Flash Point</b>            | > 180°C (Closed Cup)   |
| <b>Flammability</b>           | Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940. Remove all sources of heat and ignition. |
| <b>Ignition Temperature</b>   | Not available  |
| <b>Flammable Limits LEL</b>   | Not available.   |
| <b>Flammable Limits UEL</b>   | Not available.   |
| <b>Kinematic Viscosity</b>    | ISO 46<br>47 cSt @ 40°C<br>7.0 cSt @ 100°C<br><br>ISO 68<br>66 cSt @ 40°C<br>8.5 cSt @ 100°C   |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Stability</b>                        | Stable under normal conditions.   |
| <b>Hazardous Polymerization</b>         | Will not occur.   |
| <b>Materials to Avoid</b>               | Strong oxidising agents.  |
| <b>Hazardous Decomposition Products</b> | Thermal decomposition and combustion produce noxious fumes containing oxides of carbon. |
| <b>Hazardous Reaction</b>               | Hazardous reaction with strong oxidising agents.  |
| <b>Conditions to Avoid</b>              | Heat, direct sunlight, open flames or other sources of ignition.                        |

## 11. TOXICOLOGICAL INFORMATION

|                               |  |
|-------------------------------|--|
| <b>Toxicology Information</b> | No toxicity data is available for this material.   |
| <b>Inhalation</b>             | May cause irritation to the mucous membrane and upper airways, where material is heated and is used in poorly ventilated areas. Symptoms may include headache, dizziness and nausea. |
| <b>Ingestion</b>              | May cause irritation of the gastrointestinal system. Symptoms may include nausea, vomiting and diarrhoea.  |
| <b>Skin</b>                   | May cause irritation in contact with the skin, which may result in redness and itchiness, possibly leading to dermatitis.  |
| <b>Eye</b>                    | May cause irritation in contact with the eyes which could result in redness, stinging and lachrymation.  |
| <b>Chronic Effects</b>        | Prolonged or repeated contact with this material may result in skin irritation possibly leading to dermatitis.   |

## 12. ECOLOGICAL INFORMATION

|                                    |  |
|------------------------------------|--|
|                                    | No ecological data is available for this material.   |
| <b>Environ. Protection</b>         | Prevent this material from entering the environment. |
| <b>Mobility</b>                    | No data is available for this material.              |
| <b>Persistence / Degradability</b> | No data available for this specific product.         |
| <b>Bioaccumulation</b>             | No data available for this specific product.         |
| <b>Ecotoxicity</b>                 | No data available for this specific product.         |

## 13. DISPOSAL CONSIDERATIONS

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New or used mineral oils, or solvent must not be allowed to enter the ground, ground water, water courses, sewers or drainage systems. Dispose of waste according to federal, E.P.A. and state regulations. Assure conformity with all applicable regulations.

## 14. TRANSPORT INFORMATION

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**U.N. Number** None Allocated

**Proper Shipping Name** None Allocated

**DG Class** None Allocated

**Hazchem Code** None Allocated

**Packing Group** None Allocated

## 15. REGULATORY INFORMATION

**Poisons Schedule** Not Scheduled

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

## 16. OTHER INFORMATION

**SDS History** MSDS Creation: June 2004

...End Of MSDS...