

# Material Safety Data Sheet

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Issue Date : February 2006

ISSUED by : ENVIROOIL

## ENVIROLUBE HD-X 15W-40

### COMPANY DETAILS

<b>Company Name</b>	EnviroOil Co. of Australia Pty Ltd
<b>Address</b>	Suite 18, 12 Tryon Rd Lindfield, NSW 2070
<b>Emergency Tel.</b>	(02) 9416 5418 ; 24 hr
<b>Product and MSDS Info:</b>	(02) 9416 0628

### IDENTIFICATION

<b>Product Name</b>	ENVIROLUBE HD-X 15W-40
<b>Product Use</b>	DIESEL ENGINE OIL

### Physical Data

<b>Appearance</b>	Liquid
<b>Colour</b>	Amber
<b>Boiling point</b>	> 316°C
<b>Melting point</b>	NA
<b>Flash point (PMCC)</b>	> 180°C (ASTM D-93)
<b>Flammability</b>	NE
<b>Auto Flammability</b>	NE
<b>Solubility in Water</b>	Negligible

### Other Properties

<b>pH</b>	NA
<b>Explosive Properties</b>	NA
<b>Oxidizing Properties</b>	NA
<b>Vapour Pressure</b>	< 0.1 (mmHg @ 20°C)
<b>Vapour Density</b>	> 2.0
<b>Evaporation Rate</b>	NE
<b>Relative Density</b>	0.891 (@15°C)
<b>Partition Coefficient</b>	> 3.5
<b>Viscosity</b>	typ 15.0 cSt (@ 100°C)
<b>Pour Point</b>	< -6°C
<b>Freezing Point</b>	NE

NA=NOT APPLICABLE NE=NOT ESTABLISHED

### Ingredients

<b>Ingredients</b>	Contains Petroleum distillates and additives Ingredients determined not to be hazardous CAS not required
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<b>Information on Composition</b>	Chemical Family: Petroleum Hydrocarbon
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**Ingredients** This product is not formulated to contain ingredients which have  
**Considered Hazardous to Health** exposure limits established by U.S. agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives.

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## HEALTH HAZARD INFORMATION

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**Hazard Identification** Not Classified as hazardous according to NOHSC criteria  
Not classified as a dangerous good according to ADG Code

**Risk Phrases** Not Applicable

**Safety Phrases** Not Applicable

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### Health Effects

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**Acute – Swallowed** If more than several mouthfuls are swallowed, abdominal discomfort, nausea and diarrhea may occur.

**Acute – Eye** Not expected to cause eye irritation following short-term exposure.

**Acute – Skin** Expected to cause no more than minor skin irritation.

**Acute – Inhalation** Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use, or misuse of this product.

**Chronic** The base oil component(s) are not expected to be carcinogenic based on IARC criteria. This product has not been tested as a whole for chronic health effects.

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### First Aid

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**Swallowed** No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.

**Eye** Flush eyes immediately with fresh water for several minutes while holding the eyelids open.

**Skin** Wash skin thoroughly with soap and water.

**Inhaled** If respiratory irritation or any signs or symptoms as described in this MSDS occur, move the person to fresh air. If any of these effects continue, see a doctor.

**Advice to Doctor** N/A

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## PRECAUTIONS FOR USE

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**Exposure Limits** This product does not contain any components that have recognized exposure limits. However, an exposure limit of 5.00 mg/m<sup>3</sup> is suggested for oil mist.

**Eng. Controls** Use in well-ventilated area or with local exhaust ventilation. Vapour heavier than air – prevent concentration in hollows or sumps. Do not enter confined spaces where vapour may have collected.

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### Personal Protection

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**Eye Protection** Safety glasses

**Clothing** Overalls, safety shoes and gloves.

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**Work/Hygienic Practices** Avoid skin and eye contact and inhalation of vapours. Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Flammability**

**Fire Hazards**

See Safe Handling Information.

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## SAFE HANDLING INFORMATION

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### Storage and Transport

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**Transport**

Not classified as dangerous by the criteria of the Australian Dangerous Goods Code (ADG) for transport by road or rail.

UN Number: N/A

Dangerous Good Class: N/A

Proper Shipping Name: N/A

Hazchem Code (Aus/NZ): N/A

**Storage Regulations**

Combustible C2 liquid for storage and handling purposes. Store in a well ventilated area. Store away from halogens, strong acids, alkalis, oxidizing agents and foodstuffs. Reference should be made to AS1940-“The Storage and Handling of Flammable and Combustible Liquids”

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### Spills and Disposal

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**Spills & Disposal**

Wear protective equipment to prevent skin and eye exposure and inhalation of vapours/mists. Work upwind or increase ventilation. Contain any spillage using absorbent soil, sand or any other inert material and prevent runoff to drains and waterways. Collect, seal and label drums for disposal. Wash down with detergent and excess water.

**Disposal**

Refer to State Land Waste Management Authority. Normally suitable for incineration by approved agent.

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### Fire/Explosion Hazard

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**Fire/Explosion Hazard**

Combustible liquid. May form flammable vapour mixes with air.

Electrical requirements for work areas should be assessed according to AS 3000. On burning, will emit toxic fumes, including carbon monoxide (CO). Firefighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

**Extinguishing Media**

Foam, dry agent (CO<sub>2</sub> or dry chemical powder).

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## OTHER INFORMATION

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### **Toxicology**

This product contains petroleum base oils which has been refined by processes including severe solvent extraction. These oils have not been listed in the U.S. National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as carcinogenic or probably carcinogenic to humans.

Oral LD50 (Rat) >2000 mg kg<sup>-1</sup> Dermal LD50 (Rabbit) >2000 mg kg<sup>-1</sup>

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### **Environmental Protection**

Avoid contaminating waterways.  
Harmful to aquatic organisms.  
May cause long-term adverse effects in the aquatic environment.

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... End of MSDS...