

Material Safety Data Sheet

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Issue Date : February 2006

ISSUED by : ENVIROOIL

ENVIROLUBE RR 20W-40

COMPANY DETAILS

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

IDENTIFICATION

Product Name	ENVIROLUBE RR 20W-40
Product Use	DIESEL ENGINE OIL

Physical Data

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

Other Properties

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

NA=NOT APPLICABLE NE=NOT ESTABLISHED

Ingredients

Ingredients	Contains Petroleum distillates and additives Ingredients determined not to be hazardous CAS not required
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Information on Composition	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.

HEALTH HAZARD INFORMATION

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

Health Effects

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.

First Aid

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

PRECAUTIONS FOR USE

Exposure Limits This product does not contain any components that have recognized exposure limits. However, an exposure limit of 5.00 mg/m³ 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.

Personal Protection

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.

SAFE HANDLING INFORMATION

Storage and Transport

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”

Spills and Disposal

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.

Fire/Explosion Hazard

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 (CO₂ or dry chemical powder).

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OTHER INFORMATION

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⁻¹ Dermal LD50 (Rabbit) >2000 mg kg⁻¹

Environmental Protection

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

... End of MSDS...