

Material Safety Data Sheet

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Infosafe No™ LPXP5 Issue Date :October 2008 ISSUED by PENRITEO CS: 1.4.22

Product Name : MONO 50

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name MONO 50
Product Code MONO50
Company Name PENRITE OIL COMPANY P/L (ABN 25005 001 525)
Address 88 Lewis Road Wantirna South
Victoria 3152 Australia
Emergency Tel. 03 9801 0877 B.H
Telephone/Fax Number Tel: 03 9801 0877
Recommended Use Heavy duty diesel engine oil

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Base Oil - Unspecified Ingredients	Not required	>60-100 % Balance
Other Information	Note: Ingredients that have been assigned Note L of the Worksafe designated List of Hazardous Substances, have been tested in accordance with IP 346. This product contains less than 3% polyaromatics and is therefore non hazardous.		

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.
Ingestion Do NOT induce vomiting. Wash out mouth with water. If symptoms develop seek 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.
Eye If in eyes, hold eyelids apart and flush the eyes immediately with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.
First Aid Facilities Eye wash and normal washroom facilities.
Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Carbon dioxide, dry chemical, foam and water fog.
Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including aldehydes, oxides of sulphur, carbon monoxide, carbon dioxide and oxides of nitrogen.
Specific Hazards Combustible liquid. This product will burn if exposed to fire. Material is a static accumulator.
Precautions in connection with Fire Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

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

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to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Spillage may be slippery. Place inert, non-combustible absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for the subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

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. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

Conditions for Safe 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.

Storage Regulations

Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purposes of storage and handling, in accordance with the requirements of AS1940.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards

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/m³. As with all chemicals, exposure should be kept to the lowest possible levels.

The National Occupational Health and Safety Commission (NOHSC) exposure standards for hydrogen sulfide (decomposition product) is

	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Hydrogen sulfide	10	14	15	21

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

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.

Biological Limit Values

No biological limit allocated.

Engineering Controls

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.

Respiratory Protection

If mists or vapours are generated and ventilation is inadequate, particularly in enclosed areas then an approved respirator with a replaceable organic vapour/mist filter is recommended. 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.

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

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Hand Protection	conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications. Wear gloves of impervious material such as nitrile. 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 e.g. cotton overalls buttoned at neck and wrist and include chemical resistant apron where clothing is likely to be contaminated. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Odour	Characteristic odour.
Freezing Point	Not available
Boiling Point	Not available
Solubility in Water	Insoluble
pH Value	Not applicable
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Viscosity	19.1 cSt at 100°C 205 cSt at 40°C
Density	0.899 at 15°C
Flash Point	238°C
Flammability	Combustible liquid
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including aldehydes, oxides of sulphur, hydrogen sulfide, carbon monoxide, carbon dioxide and oxides of nitrogen.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicology data available for this specific product. However, for the base oil, the following data applies: LD50 (Oral, rat) : > 2000 mg/kg LD50 (Dermal, rabbit) : > 2000 mg/kg LC50 (Inhalation, rat) : > 5000 mg/m3
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	May cause redness, itching and irritation. High-pressure injection under skin may cause serious damage.
Eye	May cause eye irritation, tearing, stinging, blurred vision, and redness.

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Chronic Effects None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity No data is available for this material. However, oil spills can smother and suffocate aquatic life by preventing passage of oxygen into water. Oil contamination can also foul and smother birds and marine animals.

Persistence / Degradability Inherently biodegradable

Mobility Insoluble in water. Expected to float.

Bioaccumulative Not available

Potential

Environ. Protection Do not allow product to enter drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Regulatory Information Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Poisons Schedule Not Scheduled

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS Prepared: October 2008

MSDS

Contact Person/Point TITLE: Technical and Marketing Director
TELEPHONE NUMBER: 03 9801 0877 B.H
...End Of MSDS...

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