

Material Safety Data Sheet

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Infosafe No™ LPYB4	Issue Date : August 2009	ISSUED by PENRITEO
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Product Name **PRO HYDRAULIC 68**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	PRO HYDRAULIC 68
Product Code	PROHYD68
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	Hydraulic oil, all purpose.

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.
Safety Phrase(s)	S24/25 Avoid contact with skin and eyes.
Other Information	Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition	Note: In accordance with Note L of the Worksafe designated List of Hazardous Substances, the manufacturer has had this product tested in accordance with IP 346. This product contains less than 3% polyaromatics and is therefore non hazardous.		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Distillates (petroleum), solvent dewaxed heavy paraffinic	64742-65-0	>60 %
	Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	30-60 %
	Additives	Mixture	<10 %
	Other ingredients determined not to be hazardous		To 100%

4. FIRST AID MEASURES

Inhalation	Remove affected person from exposure. Allow to assume most comfortable position and keep warm. Keep at rest until fully recovered. If symptoms persist seek medical attention.
Ingestion	Do NOT induce vomiting. Rinse mouth and lips thoroughly with water. Seek medical attention.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation develops seek medical attention.
Eye	If in eyes, hold eyelids apart and flush the eyes continuously 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

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Suitable Extinguishing Media	Carbon dioxide, foam, dry chemical, water spray or water fog.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide, nitrogen oxides (NOx), sulphur oxides (SOx), sulphur compounds (H2S), aldehyde and smoke.
Specific Hazards	Combustible liquid. This product will burn if exposed to fire. Heating under fire conditions may result in the violent rupture of product containers.
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	Increase ventilation. Evacuate all unprotected personnel. Wear protective clothing and equipment to prevent exposure. If possible contain the spill. Place inert non-combustible absorbent onto material. Prevent run off into drains and waterways. Use clean non-sparking tools to collect the material and place into suitable, labelled containers. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	Avoid contact with skin and eyes. Wear overalls, impervious gloves and safety glasses. Use only in well ventilated areas. Avoid breathing vapour or spray mist. Keep containers closed when not in use. Do not empty into drains. Maintain a high level of personal hygiene when using the product, 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, incompatible materials, foodstuffs, clothing and out of direct sunlight. Keep containers closed and securely sealed when not in use and protect 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	COMBUSTIBLE LIQUID - CLASS C2, Flashpoint >150°C. Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940-2004 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), Australia. However, over-exposure to some industrial chemicals may result in adverse effects on health and enhancement of pre-existing medical conditions and/or allergic reactions, and should be kept to the least possible levels. The exposure standards for oil mist as established by NOHSC are as follows:				
	Substance	TWA		STEL	
		ppm	mg/m³	ppm	mg/m³
	Oil mist, refined mineral	-	5	-	-
		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 limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is				

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Respiratory Protection	required. Refer to AS1940 - The storage and handling of flammable and combustible liquids and AS2430 - Explosive gas atmospheres for further information concerning ventilation requirements. If engineering controls are not effective in controlling airborne exposure then an approved respirator with a particulate/mist filter should be used. 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, in order to make any necessary changes for individual circumstances.
Eye Protection	Safety glasses with side shields or chemical goggles as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances ie. 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 such as PVC, nitrile or laminated film. 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	Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown/clear liquid.
Odour	Mild petroleum oil like.
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	8.8 cSt at 100°C 68 cSt at 40°
Density	0.875 g/cm ³ at 15°C
Flash Point	245°C
Flammability	Combustible liquid.
Auto-Ignition Temperature	Not available
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, open flames or other sources of ignition.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	When heated to decomposition, this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide, nitrogen oxides (NO _x), sulphur oxides (SO _x), sulphur compounds (H ₂ S), aldehyde and smoke.
Hazardous Polymerization	Will not occur

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11. TOXICOLOGICAL INFORMATION

Toxicology Information	LD50 (Oral, Rat): >2000 mg/kg LD50 (Dermal, Rabbit): >2000 mg/kg
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 irritation in contact with the skin. Symptoms may include redness and itching.
Eye	May cause eye irritation with symptoms including tearing, stinging, blurred vision, and redness.
Chronic Effects	Repeated or prolonged skin contact may lead to dermatitic effects. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not available
Persistence / Degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Bioaccumulation is unlikely due to the very low water solubility of this product, therefore bioavailability to aquatic organisms is minimal.
Environ. Protection	Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Do not allow into drains or watercourses, or dispose of where ground or surface waters may be affected. All wastes including should be disposed of in accordance with applicable local and national regulations.
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14. TRANSPORT INFORMATION

Transport Information	Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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15. REGULATORY INFORMATION

Regulatory Information	Not classified as Hazardous according to criteria of the 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 Created: August 2009**Contact Person/Point** TITLE: Technical and Marketing Director
TELEPHONE NUMBER: 03 9801 0877 B.H
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