

# Material Safety Data Sheet

CS: 1.4.22

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Infosafe No™ LPUOF	Issue Date :June 2008	ISSUED by PENRITEO	CS: 1.4.22
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Product Name : **SIN GEAR OIL 75, 80**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	SIN GEAR OIL 75, 80
Product Code	SING75, SING80
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	Synthetic gear oil.

## 2. HAZARDS IDENTIFICATION

Hazard Classification	HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.
Risk Phrase(s)	R43 May cause sensitization by skin contact. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrase(s)	S24 Avoid contact with skin. S29 Do not empty into drains. S36/37 Wear suitable protective clothing and gloves. S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Ingredients determined not to be hazardous	Not required	60-100 %
	Long chain alkenyl amine		0-<2.5 %
	Alkyl phosphonate		0-<2.5 %

## 4. FIRST AID MEASURES

Inhalation	If inhaled, remove 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 wash out immediately with 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.
Other Information	For advice, contact the Poisons Information Centre Australia on 131 126.

## 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use carbon dioxide, dry chemical, foam or water mist.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Specific Hazards	Combustible liquid. This product will burn if exposed to fire.

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**Precautions in connection with Fire** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

## 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 to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible 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** Wear appropriate protective equipment to prevent inhalation and eye exposure. Use in designated areas with adequate ventilation. Avoid breathing in spray, mist or vapours. Keep containers closed when not in use. 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 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.

**Storage Regulations** Classified as a Class C2 (COMBUSTIBLE LIQUID) for the purposes of storage and handling.

## 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/m<sup>3</sup>. As with all chemicals, exposure should be kept to the lowest possible levels.

**Biological Limit Values** TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.  
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** Normally not required, however 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. 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, 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 such as neoprene or nitrile rubber. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken.

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Product Name : **SIN GEAR OIL 75, 80****Body Protection**

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

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	Oily liquid
Odour	Not available
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Negligible
pH Value	Not applicable
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Viscosity	15.8 - 28.2 at 100°C cSt 102 - 241 at 40° cSt
Pour Point	-41°C to -43°C
Density	0.89 - 0.90 at 15°C
Flash Point	180 - 200°C
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, flames and other ignition sources.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

**11. TOXICOLOGICAL INFORMATION**

Toxicology Information	No toxicology data available for this product.
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. May cause sensitization by skin contact.
Eye	On eye contact this product may cause tearing, stinging, blurred vision, and redness.
Chronic Effects	Not available

**12. ECOLOGICAL INFORMATION**

Ecotoxicity	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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<b>Persistence /</b>	Not available
<b>Degradability</b>	
<b>Mobility</b>	Not available
<b>Bioaccumulative</b>	Not available
<b>Potential</b>	
<b>Environ. Protection</b>	Do not allow product to enter drains, waterways or sewers.

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

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

## 15. REGULATORY INFORMATION

<b>Regulatory</b>	Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
<b>Information</b>	Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
<b>Poisons Schedule</b>	Not Scheduled
<b>Hazard Category</b>	Irritant

## 16. OTHER INFORMATION

<b>Date of preparation</b>	MSDS Reviewed: June 2008
<b>or last revision of</b>	Supersedes: June 2007
<b>MSDS</b>	
<b>Contact Person/Point</b>	TITLE: Technical and Marketing Director TELEPHONE NUMBER: 03 9801 0877 B.H ...End Of MSDS...

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