

Material Safety Data Sheet

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Infosafe No™ C90GR Issue Date :August 2008 ISSUED by PENRITEO CS: 1.4.22

Product Name : **FLEET-GEAR 50**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name FLEET-GEAR 50
Product Code FG50
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 transmission 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.

Risk Phrase(s) R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrase(s) S24/25 Avoid contact with skin and eyes.
S36/39 Wear suitable protective clothing and eye/face protection.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

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	Name	CAS	Proportion
	Residual oils (petroleum), solvent dewaxed	64742-62-7	10-<30%
	Additives	Mixture	<10%
	Ingredients determined not to be hazardous	N/A	Balance
	Calcium long chain alkyl phenate sulphide	Proprietary	0-<2%
	Phenol, 4-dodecyl-	104-43-8	0-<0.5%
	Alkaryl polyether	Proprietary	0-<0.5%

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. If symptoms develop seek medical attention.

Eye If in eyes wash out immediately with water. Hold the eyelids apart and flush the eyes continuously for several minutes. If irritation develops or persists 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, Dry Chemical, Foam and 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	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 material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material. If this material enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority. Dispose of waste in accordance with applicable local and national regulations.
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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. When dealing with large quantities, repeated or prolonged skin exposure without protection should be prevented. 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, 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	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/m ³ . As with all chemicals, exposure should be kept to the lowest possible levels. 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.
Biological Limit Values	No Biological limit available.
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 engineering controls are not effective in controlling airborne exposure then respiratory protective equipment 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.
Eye Protection	Safety glasses with side shields, goggles or full-face shield are recommended

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Hand Protection as appropriate. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Body Protection Wear gloves of impervious material. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Brown liquid.

Odour Mild petroleum oil like.

Freezing Point Not available

Boiling Point Not available

Solubility in Water Insoluble

Specific Gravity 0.90 at 15°C

pH Value Not applicable

Vapour Pressure Not available

Vapour Density (Air=1) Not available

Viscosity 20 cSt (at 100°C)
235 cSt (at 40°)

Flash Point 240°C

Flammability Class 2 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, direct sunlight, 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 (NOx), sulphur oxides (SOx), sulphur compounds (H2S), aldehyde and smoke.

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 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.

12. ECOLOGICAL INFORMATION

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Product Name : **FLEET-GEAR 50**

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	Dispose of waste according to federal, EPA and state regulations.
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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.
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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 reviewed: Aug2008 MSDS superseded: Jan2006
Contact Person/Point	TITLE: Technical and Marketing Director TELEPHONE NUMBER: 03 9801 0877 B.H ...End Of MSDS...

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