

Material Safety Data Sheet

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Infosafe No™ LPWNG Issue Date : February 2009 ISSUED by PENRITEO

Product Name : **TRANSAXLE 80**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name TRANSAXLE 80
Product Code TAO
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 Transaxle 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 % To 100%
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 from contaminated area. Apply artificial respiration if not breathing. If symptoms persist seek medical attention.
Ingestion Do NOT induce vomiting. Wash out mouth thoroughly with water. 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.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Use dry chemical, foam or carbon dioxide. Water or foam may cause frothing.
Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including aldehydes, oxides of sulphur and nitrogen, carbon monoxide and carbon dioxide.
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. This 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. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapours and to provide protection for persons attempting to stop the leak.

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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. Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue may ignite with explosive violence if heated sufficiently. Do not pressurise or expose to open flame or heat. Keep container closed and bung in place.

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, 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.

As published by the National Occupational Health and Safety Commission (NOHSC):

TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week.

Engineering Controls Where vapours or mists are generated and exposure standards are exceeded, the use of respiratory protection, or a local exhaust ventilation system is recommended.

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used to protect against airborne contaminants. 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 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. Reference should be made to AS/NZS 2161.1: Occupational protective gloves -

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Body Protection 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 Insoluble

Specific Gravity 0.895 at 15°C

pH Value Not applicable

Vapour Pressure Not available

Evaporation Rate Not available

Viscosity 111 cSt at 40°C
12.2 cSt at 100°C
Brookfield Viscosity at -26°C: 90,500 cP

Pour Point -30°C

Flash Point 187°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, 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 and nitrogen, carbon monoxide and carbon dioxide.

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 irritation in contact with skin. Symptoms may include redness and itchiness. High-pressure injection under skin may cause serious damage.

Eye May cause irritation to eyes. Symptoms may include redness, tearing, stinging and blurred vision.

Chronic Effects Not available

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12. ECOLOGICAL INFORMATION

Ecotoxicity Acute toxicity to aquatic and soil organisms is expected to be low, however, oil spills can smother and suffocate by preventing passage of oxygen into water. Oil contamination can also foul and smother birds and marine animals.

Persistence / Degradability Product is expected to be inherently biodegradable.

Mobility Insoluble in water on which it floats. Does not evaporate from water or soil. Limited mobility in soil but some components may penetrate the soil and cause groundwater pollution.

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 Dangerous Goods, 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 Reviewed: February 2009
Supersedes: March 2008

Contact Person/Point TITLE: Technical and Marketing Director
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