



Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name: **Fortron HYDRAULIC OIL 68**

Other Names: **HYDRAULIC OIL 68 – 205 litre drum**

Recommended Use: High quality, Anti-wear, Hydraulic and Lubrication Oil. Fully inhibited against oxidation, rust and foaming. For use in most Hydraulic pumps and motors, and as a high quality machine and bearing oil. ISO Viscosity 68.

Supplier: Fortron Automotive Treatments Pty Ltd
14-18 Sangiorgio Court, Osborne Park
Perth, Western Australia 6017
ACN 008 872 197 ABN 12 008 872 197

Phone: (618) 9202 7800 (Monday – Friday 8.00am – 5.00pm)

Fax: (618) 9202 7851
www.fortron.com.au

Emergency Telephone No: 0433 088 498

2. HAZARDS IDENTIFICATION:

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF THE NATIONAL OCCUPATIONAL HEALTH AND SAFETY COMMISSION (NOHSC)

Hazard Symbol: Not applicable

Risk Phrase: Not applicable

Safety Phrase: Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion % w/w</u>
Refined mineral oil	None Allocated	60 - 100%
Additives and/or other ingredients	Not Required	0 - 10%



4. FIRST AID MEASURES:

Swallowed:	If swallowed DO NOT induce vomiting. Immediately wash out mouth with water, and then give water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. For advice, contact a Poisons Information Centre. Phone Australia 13 1126; New Zealand 03 4747 000 (Not after May 2005) or 0800 764 766; or a doctor (at once).
Eye:	If contact with the eye(s) occur, immediately hold the eye open and wash continuously for at least 15 minutes with fresh running water. Seek medical attention.
Skin:	In case of contact, remove contaminated clothing and wash before re-use or discard. Wash gently and thoroughly with water and soap. If irritation develops and persists, seek medical attention.
Inhaled:	If inhaled, remove to fresh air. If rapid recovery does not follow, seek medical attention.
First Aid Facilities:	Safety shower, mild soap and eye wash facilities.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES:

Flashpoint:	150 - 270°C typical
Extinguishing Media:	Use water fog, dry chemical, foam or carbon dioxide. Water or foam may cause frothing. 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.
Unusual Fire & Explosion Hazards:	Combustible liquid. Class C2. Combustion Products: Carbon monoxide, acrid smoke and carbon dioxide.
Fire Fighting Precautions:	For fires involving this material, do not enter any enclosed or confined space without AS/NZS 1716 approved Self-contained breathing apparatus (SCBA) to protect against the hazardous effects of combustion products or oxygen deficiency.
Hazchem Code:	None Allocated

6. ACCIDENTAL RELEASE MEASURES:

Emergency Procedures: Remove all sources of ignition. Stop the source of the leak or release and contain spill if possible. Ventilate area. Use respirator and protective clothing to minimise exposure.

Methods and Materials for Containment and Clean Up: Small Spills/Large Spills: Cover spill with a generous amount of inert absorbent material. Sweep up and place in a labelled disposable container. Scrub contaminated area with detergent and water using a stiff broom. Pick up liquid with additional absorbent and place in a labelled disposable container. Prevent contamination of groundwater or surface water. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE:

Precautions for Safe Handling: Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene i.e., washing hands prior to eating, drinking or going to the toilet. Build-up of mists in the working atmosphere must be prevented.

Conditions for Safe Storage: Classified as a C2 combustible liquid for storage and handling purposes.

Store in a cool, dry, well-ventilated area, out of direct sunlight. Avoid sparks, flames, and other ignition sources. Store away from incompatible materials such as materials that support combustion (oxidising materials). Reference should be made to Australian Standard AS1940 – The storage and handling of Flammable and Combustible Liquids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

National Exposure Standards: No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However, Exposure Standards for oil mist are listed below.

Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION - continued

Time-weighted average (TWA) is defined as the concentration of that substance over an eight-hour working shift, and apply to an eight-hour day, for a five-day working week over an entire working lifetime. Short Term Exposure Limits (STEL) and Peak Limitations may also be specified for short periods of exposure such as 15 minutes.

SUBSTANCE	Occupational Exposure Limits	TWA	STEL
		mg/m ³	mg/m ³
Oil Mist, Mineral	NOHSC	5	10

Engineering Controls:

Use adequate ventilation to keep the airborne concentrations below exposure standards for this product. Local exhaust ventilation and/or enclosure of the process are preferred.

Personal Protective Equipment:

Respiratory Protection: Airborne concentrations should be kept to lowest levels possible. If vapour, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate AS/NZS 1715/1716 approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

Skin Protection: Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned. The use of PVC or nitrile gloves is recommended.

Eye Protection: Safety glasses, chemical type goggles, or face shield recommended to prevent eye contact.

Hygiene Recommendations: Keep an eye wash fountain available. Keep safety shower available. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Amber liquid
Odour:	Slight characteristic odour
pH:	Not applicable
Vapour Pressure:	Not available
Vapour Density:	Not available
Boiling Point:	> 316°C
Melting Point:	Not determined
Solubility in Water:	Insoluble
Specific Gravity:	0.85-0.89 @ 15°C typical
Flashpoint:	150-270°C typical
Flammability Limits:	LEL Not available UEL Not available
Auto Ignition Temperature:	Not available
Viscosity:	Not available
Formula:	Mixture

10. STABILITY AND REACTIVITY:

Chemical Stability:	Stable under normal conditions of storage and handling.
Conditions to Avoid:	Classified as a C2 Combustible liquid. Remove all sources of ignition and heat.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Under fire conditions: Carbon monoxide, acrid smoke and carbon dioxide.
Hazardous Reactions:	Hazardous Polymerisation – Will not occur.

11. TOXICOLOGICAL INFORMATION:

HUMAN HEALTH HAZARDS - ACUTE

Swallowed:	May cause mild irritation of the mouth, throat and stomach; symptoms including nausea and mild diarrhoea. Aspiration of vomited material may cause pneumonitis however unlikely owing to the high viscosity of material.
Eye:	May cause irritation on contact. Not expected to cause permanent injury.
Skin:	Repeated or prolonged contact may dry and defat the skin, resulting in skin irritation and possible dermatitis.
Inhaled:	Vapours or mists generated may cause irritation of the upper respiratory tract. Inhalation hazard is increased at higher temperatures.
Chronic:	Prolonged or repeated contact may result in skin irritation leading to dermatitis.

12. ECOLOGICAL INFORMATION:

Prevent material from entering the environment.

Ecotoxicity: This material may present environmental risks common to oil spills.

Persistence and Degradability: No information is available on this product.

Mobility: No information is available on this product.



13. DISPOSAL CONSIDERATIONS:

Disposal Methods and Containers: This material may present environmental risks common to oil spills. Place contaminated materials in labelled disposable containers and dispose of in a manner consistent with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION:

UN Number: None Allocated
UN Proper Shipping Name: None Allocated
Class and Subsidiary Risk: None Allocated
Packaging Group: None Allocated
Special Precaution for user: None Allocated
Hazchem Code: None Allocated

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

Land Transport (ADG):
Proper Shipping Name: Product is not regulated during transportation.

Air Transport (ICAO/IATA):
Proper Shipping Name: Product is not regulated during transportation.

Marine Transport (IMDG/IMO):
Proper Shipping Name: Product is not regulated during transportation.

15. REGULATORY INFORMATION:

Statement of Hazardous Nature: Not classified as Hazardous according to the criteria of National Occupational Health and Safety Commission (NOHSC)

Hazard Symbol: Not applicable

Risk Phrase: Not applicable

Safety Phrase: Not applicable



16. OTHER INFORMATION:

Date of Issue: 12th May, 2006

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Please Note:

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