

MATERIAL SAFETY DATA SHEET



PHOENIX®

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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

HVI HYDRAULIC OIL 100

Code : HVIHYD100
Use : Hydraulic Oil
Name : Phoenix Lubricants Pty Ltd (ABN 41 820 770 617)
Address : 2 Paul Court, Dandenong Vic 3175
Telephone : (03) 9791 7661
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2. HAZARD IDENTIFICATION

NOT HAZARDOUS ACCORDING TO CRITERIA OF NATIONAL OCCUPATIONAL HEALTH & SAFETY COMMISSION (NOHSC)
NOT DANGEROUS ACCORDING TO AUSTRALIAN DANGEROUS GOODS CODE (ADGC)

UN Number : Not allocated
Dangerous Goods Class : Class C2 Combustible Liquid
Packing Group : Not allocated
Hazchem Code : • 3Y
Poisons Schedule : Not Scheduled

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS:

Component	CAS No.	% Proportion
Severley refined mineral oil	Not provided	40-100%
Other ingredients classified as not hazardous according to NOHSC		Balance

The petroleum oils in this product contain less than 3% DMSO extract as measured by IP346 test method.

4. FIRST AID MEASURES

REMOVE FROM EXPOSURE IF SAFE TO DO SO

- Swallowed (Oral) :** *Unlikely exposure route*
- Wash mouth with water
 - Give a glass of water to drink
 - Do not induce vomiting
 - Seek immediate medical attention
- Eye :**
- Remove contact lenses
 - Hold eye open
 - Irrigate for fifteen (15) minutes
 - Seek medical attention
- Skin (Dermal) :**
- Flush skin with water for fifteen (15) minutes
 - Wash skin with soap and water
 - Remove contaminated clothing
 - If symptoms develop seek medical attention
- Inhalation :**
- Remove from exposure
 - Loosen/remove clothing
 - If breathing affected, clear airways
 - Give oxygen if qualified to do so
 - Commence CPR if qualified to do so
 - Seek immediate medical attention

ADVICE TO DOCTOR

- Treat symptomatically with supportive care.
- For further information contact:

**AUSTRALIAN POISONS INFORMATION CENTRE
24 HOUR SERVICE 13 11 26**

**NEW ZEALAND POISONS INFORMATION CENTRE
24 HOUR SERVICE 0800 764 766**

5. FIRE FIGHTING MEASURES

- Hazchem Code :** • 3Y
- Fire & Explosive Properties :** Combustible liquid - Flashpoint Not provided
- Suitable Extinguishing Media :** In case of fire, appropriate extinguishing media includes:
- Dry Chemical Powder
 - CO₂
 - Foam Alcohol Resistant
- Do not use water jets. Use water spray to cool fire exposed containers.
- Hazards from Combustion Products :** Product is a mobile liquid. Vapours may travel and accumulate in low lying areas and can build explosive mixtures with air. Incompatible with strong oxidising agents, acids/alkalis. Combustion may produce oxides of carbon, nitrogen and sulphur, dense black smoke, toxic decomposition gases, and airborne unidentified organic and inorganic solid and liquid particulates.
- Precautions for Fire Fighters - Special Equipment :**
- Positive pressure self-contained breathing apparatus (SCBA)
 - Protective fire fighting clothing
 - Fight from upwind

HAZCHEM Emergency Action Code			
FOR FIRE OR SPILLAGE			
1		COARSE SPRAY	
2		FINE SPRAY	
3		FOAM NORMAL PROTEIN	
4		DRY AGENT	
*		ALCOHOL RESISTANT	
P	V	LTS	DILUTE
R			
S	V	BA & FIRE KIT	
T			CONTAIN
W	V	LTS	
X			
Y	V	BA & FIRE KIT	
Z			
E		PUBLIC SAFETY HAZARD	

* SEE LEGEND OVER

LEGEND	
DRY AGENT	Do not use water
ALCOHOL RESISTANT FOAM *2 OR *3	When * appears in front of 2 or 3 in Hazchem code use alcohol resistant foam if available
V	Substances can be violently or even explosively reactive, including combustion
LTS	Liquid-Tight Chemical Protective Suit with BA, Full FIRE KIT to also be worn for protection when: Liquid Oxygen Liquefied Toxic Gas (Division 2.3) Toxic Gas with sub-risk 2.1 or 5.1 or Class or sub-risk 3 or Division 5.1 PGI with sub-risk 6.1 or 8 transported at temperature > 100°C
DILUTE	May be washed to drains with large quantities of water, consider EPA or Water Authority
CONTAIN	Prevent, by any means available, spillage from entering drains or water courses
E	People to be warned to stay indoors with all doors and windows closed. Evacuation may need to be considered. Joint Incident Control decision

6. ACCIDENTAL RELEASE MEASURES

- Spills or Leaks :**
- Wear PPE as per this MSDS
 - Remove ignition sources
 - Absorb / contain waste, use earth, vermiculite, inert material
 - Collect and seal in appropriate container
 - Label the container
 - Cover all drains
 - Use spark proof tools
 - Surfaces will be slippery
 - Create bund
 - Observe regulatory reporting requirements (Incident Notification)
- Disposal :**
- Dispose of in accordance with States, Local Government, EPA or related Regulations or Codes of Practice.

7. HANDLING AND STORAGE

- Precautions for Safe Handling :**
- Eye wash and safety shower to be available in the workplace.
 - Wear PPE as per this MSDS
 - Compliant eyewash to be provided for external work.
 - Observe good personal hygiene practices.
 - Wash hands thoroughly after handling.
 - Avoid contact with skin and eyes.
 - Take precautionary measures against static discharges (decanting or pumping large quantities).
 - Limit the stock at work place (in accordance with **AS1940: The storage and handling of flammable and combustible liquids**)
 - Use only in well ventilated areas. Ensure TLV's (threshold limit values) are not exceeded
 - Wear respiratory protection if vapours present.
 - Report incidents.
 - No smoking, eating, drinking in the work area.
 - Remove contaminated clothing before entering eating areas.
- Conditions for Safe Storage :**
- Store away from food, drink and animal feedstuffs.
 - Store away from oxidising agents and strongly acid or alkaline materials.
 - Provide ventilation.
 - Separate or segregate from incompatibles (in accordance with regulatory requirements).
 - Avoid direct sunlight.
 - Keep protected from weather.
 - Provide spill kit.
- Container Type :**
- Store in original packaging as approved by manufacturer or regulatory direction.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONSTITUENT DATA

Components	CAS-No.	Type	Value
Oil Mist		TWA	5mg/m ³
		STEL	10mg/m ³

ENGINEERING CONTROLS

- Provide local exhaust when threshold limits might be exceeded.

PERSONAL PROTECTION

- Eye Protection** : Wear chemical splash goggles or face shield in accordance with **AS/NZS1337, Eye protection for industrial applications**.
- Gloves** : Wear industrial gloves in accordance with **AS/NZS 2161.1 - Occupational protective gloves, selection, use and maintenance** where contact may occur.
- Clothing** : Wear body protective clothing and industrial footwear in accordance with **AS2919 - Industrial clothing**.
- Respiration** : Wear an approved respirator in accordance with **AS/NZS1715 - Selection, use and maintenance of respiratory protective devices** (when ventilation is inadequate)



Available



Side shields



PVC



Industrial



Non slip



Organic



9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Clear Amber/brown liquid
- Odour** : Mild
- pH** : Not provided
- Vapour Pressure (kpa)** : Not provided
- Vapour Density** : Not provided
- Boiling Point** : Not provided
- Freezing / Melting Point** : Not provided
- Solubility in Water** : Not soluble
- Solubility in Solvents** : Soluble in petroleum solvents
- Specific Gravity or Density** : 0.888

INFORMATION FOR FLAMMABLE MATERIALS

- Flash Point** : 220°C
- Upper Explosive Limit** : NOT PROVIDED
- Lower Explosive Limit** : NOT PROVIDED
- Ignition Temperature** : Not provided

ADDITIONAL INFORMATION

- Specific Heat Value** : Not provided
- Particle Size** : Not provided
- VOC Content** : Not provided
- Evaporation Rate** : Not provided
- Kinematic Viscosity @ 40°C** : 100 cSt
- Kinematic Viscosity@ 100°C** : 14.1 cSt
- Octanol / Water Partition Coefficient** : Not provided
- Saturation Vapour Concentration** : Not provided
- Decomposition Temperature** : Not provided
- Electrostatic Stability** : Not provided
- Pour Point** : -15 °C
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10. STABILITY AND REACTIVITY

- Chemical Stability** : Product is stable under normal conditions of use, storage and temperature.
- Conditions to Avoid** : Avoid excessive heat, static charges, sources of ignition.
- Incompatible Materials** : Incompatible with oxidising agents, acids and bases.
- Hazardous Decomposition Products** : Oxides of carbon, nitrogen and sulphur, dense black smoke, toxic decomposition gases, and airborne unidentified organic and inorganic solid and liquid particulates - see Section 5.
- Hazardous Reactions** : Vapours may form flammable mixture with air

11. TOXICOLOGICAL INFORMATION

ACUTE HEALTH EFFECTS (IMMEDIATE OR WITHIN 14 DAYS - SHORT TERM)

- Swallowed (Oral)** : If ingested may cause lung damage.
- Eye** : Eye irritant.
- Skin (Dermal)** : Irritating to skin. Repeated or prolonged skin contact may result in defatting, dermatitis and sensitisation.
- Inhalation** : Strong concentrations of vapour, mist or spray may be irritating to the respiratory tract and for mucous membranes with the risk of headaches, dizziness and nausea.

CHRONIC (MEDIUM OR LONG TERM)

- Long term exposure will result in skin sensitisation.

MIXTURE VERSUS INGREDIENT

- Not provided

SUMMARY OF TOXICITY DATA

Component	CAS-No.	Data
Not provided		

CARCINOGENICITY

- See Section 3

COMPOUNDING EFFECTS

- Not provided

FOR OILS AND GREASES

USED OILS AND GREASES

- Products resulting from the operation of the vehicle/ machinery may contain contaminants. Used oil and grease may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used oil and grease must therefore be avoided and a high standard of personal hygiene maintained.
- Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.
- At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of low volatility. Maybe harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occur.

12. ECOLOGICAL INFORMATION

Ecotoxicity	:	Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.
Persistence / Degradability	:	Will persist. Not readily bio degradable.
Mobility	:	Floats on water - will be absorbed by earth.
Bio-accumulative Potential	:	May bio-accumulate
Environmental Fate (Exposure)	:	Do not allow waste product to reach waterways, drains and sewers

Component	CAS-No.	Data
Not provided		

13. DISPOSAL CONSIDERATIONS

Disposal Methods	:	
Special Precautions for Landfill or Incineration	:	See Section 6.

14. TRANSPORT INFORMATION

ENSURE ALL PACKAGES ARE IN ACCORDANCE WITH THE AUSTRALIAN DANGEROUS GOODS CODE (ADGC)

UN Number	:	Not allocated
UN Proper Shipping Name	:	Not allocated
Dangerous Goods Class and Subsidiary Risk	:	Class C2 Combustible Liquid
Packing Group	:	Not allocated
Hazchem Code	:	• 3Y
Special Precautions	:	Not regulated under ADGC however when transported with flammable liquids must be manifested appropriately.

15. REGULATORY INFORMATION (AUSTRALIA)

- National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011]
- List of designated Hazardous Substances [NOHSC:10005]
- Approved Criteria for Classifying Hazardous Substances [NOHSC:1008]
- National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003]
- Australian Dangerous Goods Code for Transport of Dangerous Goods by Road and Rail
- Standard Uniform Scheduling of Drugs and Poisons
- States Hazardous Substances Regulations

16. OTHER INFORMATION

References	:	For detailed advice on personal protective equipment, refer to the following Australian Standards: <ul style="list-style-type: none">• HB9 (Handbook 9) Manual of industrial personal protection• AS/NZS 1337: Eye protectors for industrial applications• AS/NZS 1715: Selection, use and maintenance of respiratory devices• AS/NZS 1716: Respiratory protective devices
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CONTACT POINT

For information concerning details on this Safety Data Sheet, **Phoenix Lubricants Pty Ltd, 2 Paul Court, Dandenong Vic, (03) 9791 7661**

All reasonable care has been taken to ensure that the information and advice contained herein is accurate at the time of printing. However, Phoenix Lubricants Pty Ltd accepts no tortious or contractual liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein.

Note:

This MSDS is derived from International and Australian data and is formatted generally in accordance with the National Occupational Health and Safety Commission (NOHSC) Guidelines. Modifications are not made to technical data except where terminology is unclear or additional information is required to satisfy Australian requirements.

SOURCE FOR DATA

MSDS Issue Date	:	02/03/2013
MSDS Revision 2.0 Date	:	19/08/2019
Manufacturer / Supplier	:	Phoenix Lubricants Pty Ltd
