SAFETY DATA SHEET

Issue Date: January 2017
Revision 2.0 Date: 25/05/2017

PHOENIX®

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

PX INDUSTRIAL GEAR OIL 320

Code : IGO320
Use : Gear Oil
Name : Phoenix Lubricants Pty Ltd (ABN 41 820 770 617)
Address : 2 Paul Court, Dandenong Vic 3175
Telephone : (03) 9791 7661
Facsimile : (03) 9791 8831
Email : info@phoenixlubricants.com.au
Web : www.phoenixlubricants.com.au

2. HAZARD IDENTIFICATION

NOT A HAZARDOUS CHEMICAL ACCORDING TO CRITERIA OF SAFE WORK AUSTRALIA
NOT DANGEROUS GOODS FOR TRANSPORT ACCORDING TO AUSTRALIAN DANGEROUS GOODS CODE (ADGC)

Poisons Schedule : Not Scheduled

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS:

Component	CAS No.	% Proportion
Refined mineral oil	64742-65-0	80-100%
Other ingredients classified as not hazardous according to Safe Work Australia Criteria		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 :
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 if present and easy to do so
- Hold eye open
- Wash gently for fifteen (15) minutes
- Seek medical attention

Skin :
- Flush skin with water for fifteen (15) minutes or
- Wash skin with soap and water
- Remove contaminated clothing
- If symptoms develop seek medical attention

Inhalation of oil mist/spray :
Unlikely exposure route
- Remove from exposure
- Loosen/remove clothing
- If breathing affected, clear airways
- Give oxygen if qualified to do so
- Commence CPR if required and 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. FIREFIGHTING MEASURES

Hazchem Code : 3Y

Fire & Explosive Properties : C2 Combustible liquid - Flashpoint 270°C

Suitable Extinguishing Media : In case of fire, appropriate extinguishing media includes:
- Dry Chemical Powder
- CO_2
- Foam

Do not use water jets. Use water spray to cool fire exposed containers.

Hazards from Combustion Products : Product is a mobile liquid. 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

6. ACCIDENTAL RELEASE MEASURES

Spills or Leaks :
- Wear PPE as per this SDS
- 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 State, 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 SDS
- Compliant eyewash to be provided for external work.
- Observe good personal hygiene practices.
- Wash hands thoroughly after handling.
- Avoid contact with skin and eyes.

- 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 oil mists 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

ENGINEERING CONTROLS

- Provide local exhaust ventilation when exposure standards 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 chemical protective gloves (eg nitrile) 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 : If oil mists are present when ventilation is inadequate, wear an approved respirator with particulate filter in accordance with **AS/NZS1715 - Selection, use and maintenance of respiratory protective devices**

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	:	0.902

INFORMATION FOR FLAMMABLE MATERIALS

Flash Point	:	270°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	:	320 cSt
Kinematic Viscosity@ 100°C	:	25.0 cSt
Octanol / Water Partition Coefficient	:	Not provided
Saturation Vapour Concentration	:	Not provided
Decomposition Temperature	:	Not provided
Electrostatic Stability	:	Not provided
Pour Point	:	-15°C

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, strong 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	:	When heated to 270°C, 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 gastric irritation.
Eye	:	Mild Eye irritant.
Skin (Dermal)	:	Mildly irritating to skin on prolonged exposure. Repeated or prolonged skin contact may result in defatting, and dermatitis.
Inhalation	:	Strong concentrations of 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 may result in skin sensitisation in susceptible individuals.

MIXTURE VERSUS INGREDIENT

- Not provided

SUMMARY OF TOXICITY DATA

Component	CAS-No.	Data
Not available		

CARCINOGENICITY

- See Section 3
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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. May be harmful by inhalation if exposure to 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 : Do not dispose to drains or waterways. See Section 6.

14. TRANSPORT INFORMATION

Special Precautions	:	Not regulated under Australian or International Dangerous Goods Codes, but Class 5 goods require segregation from combustible liquids in placard loads.
UN Number	:	Not allocated
UN Proper Shipping Name	:	Not allocated
Dangerous Goods Class and Subsidiary Risk	:	Not dangerous goods, C2 Combustible Liquid
Packing Group	:	Not allocated
Hazchem Code	:	3Y

15. REGULATORY INFORMATION (AUSTRALIA)

- Workplace Exposure Standards for Atmospheric Contaminants [Safe Work Australia, April 2013]
- Australian Code for Transport of Dangerous Goods by Road and Rail
- AS1940: The storage and handling of flammable and combustible liquids
- Standard Uniform Scheduling of Medicines and Poisons
- State Work Health and Safety/Occupational Health and Safety Regulations

16. OTHER INFORMATION

References : For detailed advice on personal protective equipment, refer to the following Australian Standards:

- 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

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 SDS is derived from International and Australian data and is formatted in accordance with the Safe Work Australia Code of Practice. 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
SDS Revision 2.0 Date	:	25/05/2017
Manufacturer / Supplier	:	Phoenix Lubricants Pty Ltd