SAFETY DATA SHEET

Issue Date: May 2012
Revision 3.0 Date: 01/08/2019

PHOENIX®

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

PX PROTECTOR PLUS

Code : PROTECTOR
Use : Coolant
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

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

GHS Hazard Class and Category
Acute Toxicity (Oral) – Category 4
Reproductive Toxicity – Category 2

Signal Word WARNING
Pictograms Exclamation Mark, Health Hazard
Hazard Statement
H302 Harmful if swallowed
H361 Suspected of damaging fertility or the unborn child

Precautionary Statements
P264 – Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P281 – Use personal protective equipment as required
P201 – Obtain special instructions before use
P202 – Do not handle until all safety precautions have been read and understood.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P330 - Rinse mouth.
P405 Store locked up.
P501 - Dispose of contents as hazardous waste.

Poisons Schedule : Schedule 6 POISON

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS:

Component	CAS No.	% Proportion
Ethylene glycol	107-21-1	>60%
2-ethylhexanoic acid, neutralised	149-57-5	1 - 10%
Tolyltriazole	29385-43-1	<1%
Denatonium Benzoate	3437-33-6	<1%
Other ingredients classified as not hazardous according to Safe Work Australia Criteria		Balance

4. FIRST AID MEASURES

REMOVE FROM EXPOSURE IF SAFE TO DO SO

Swallowed (Oral) : *Unlikely exposure route*
- Wash mouth with water
- Give 2 glasses of water to drink
- Do not induce vomiting
- Seek immediate medical attention

Eye :
- Remove contact lenses
- Hold eye open
- Wash carefully for fifteen (15) minutes
- Seek medical attention

Skin (Dermal) :
- Flush skin with water
- Wash skin with soap and water
- Remove contaminated clothing
- Seek immediate medical attention if you feel unwell

Inhalation :
- Remove from exposure
- Loosen/remove clothing
- If breathing affected, clear airways Seek immediate medical attention
- Move to fresh air

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

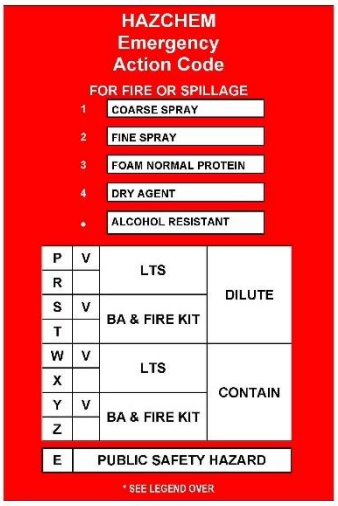
Hazchem Code : Not allocated

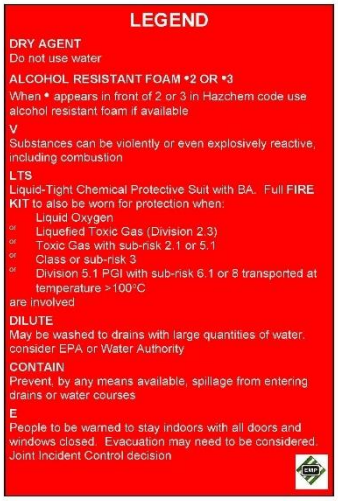
Fire & Explosive Properties : C2 combustible Liquid

Suitable Extinguishing Media : Choice of extinguishing media should be made by what other materials are present.

Hazards from Combustion Products : Product is a mobile liquid. Oxides of carbon are evolved in combustion.

Precautions for Fire Fighters - Special Equipment :
- Positive pressure self-contained breathing apparatus (SCBA) and protective suit
- Protective fire fighting clothing





6. ACCIDENTAL RELEASE MEASURES

Spills or Leaks :

- Restrict access to area until clean-up is completed
- Wear PPE as per this SDS
- Absorb / contain waste, use earth, vermiculite, inert material
- Collect and seal in appropriate container
- Label the container
- Create bund
- Do not contaminate surface waters- depletion of oxygen in the water will occur.
- Observe regulatory reporting requirements (Incident Notification)
- Protect drains from potential spills to minimise contamination. In the case of large spills contact the appropriate authorities.

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 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.
- Use only in well ventilated areas. Ensure Exposure Standard is not exceeded
- Wear respiratory protection if vapours or spray or mist is present.
- Report incidents.
- No eating or 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

EXPOSURE STANDARD

Components	CAS-No.	Type	Value
Ethylene Glycol Vapour	107-21-1	TWA	20 ppm, 52 mg/m^3
		STEL	40 ppm, 120 mg/m^3
Ethylene Glycol Mist	107-21-1	TWA	10mg/m^3

ENGINEERING CONTROLS

- Use in a well ventilated area. Provide exhaust ventilation when exposure standard might be exceeded, for example sprayed material

PERSONAL PROTECTION

Eye Protection : Wear safety glasses if there is risk of contact, in accordance with **AS/NZS1337, Eye protection for industrial applications**.

Gloves : Wear industrial nitrile 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)



or





or


Available *Side shields* *PVC* *Industial* *Non slip* *Organic*

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Green liquid
Odour	:	Slight
pH (33% sol'n)	:	8.5-8.7
Vapour Pressure (kpa)	:	N/A
Vapour Density	:	N/A
Boiling Point	:	N/A
Freezing / Melting Point	:	N/A
Solubility in Water	:	Soluble
Solubility in Solvents	:	N/A
Density	:	1.08-1.09

INFORMATION FOR FLAMMABLE MATERIALS

Flash Point	:	Not available, >116°C
Upper Explosive Limit	:	N/A
Lower Explosive Limit	:	N/A
Ignition Temperature	:	N/A

ADDITIONAL INFORMATION

Specific Heat Value	:	N/A
Particle Size	:	N/A
VOC Content	:	N/A
Evaporation Rate	:	N/A
Kinematic Viscosity @ 40°C	:	N/A
Kinematic Viscosity@ 100°C	:	N/A
Octanol / Water Partition Coefficient	:	N/A
Saturation Vapour Concentration	:	N/A
Decomposition Temperature	:	N/A
Electrostatic Stability	:	N/A
Pour Point	:	N/A

10. STABILITY AND REACTIVITY

Chemical Stability : Product is stable under normal conditions of use, storage and temperature.

Incompatible Materials : Incompatible with oxidising agents.

Hazardous Decomposition Products : Oxides of carbon.

Hazardous Reactions : This material is combustible.

11. TOXICOLOGICAL INFORMATION

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

Swallowed (Oral) : Harmful if swallowed, and may affect fertility or the unborn child by this route. Swallowing large quantities may cause kidney damage. Irritation of the gastro-intestinal tract may occur with nausea and vomiting.

Eye : May cause mild irritation

Skin (Dermal) : May cause moderate irritation from prolonged exposure or to broken skin.

Inhalation : Not a likely route of exposure. Mists or vapours may be irritating to eyes, nose, throat and lungs.

CHRONIC (MEDIUM OR LONG TERM)

- Contains mono ethylene glycol, which is harmful if swallowed. 100ml is considered a lethal dose for an adult. Repeated exposure to high doses by swallowing (animal studies) has caused kidney, liver and central nervous system damage.
- 2-ethylhexanoic acid is suspected of damage to the unborn child or may impair fertility when swallowed, based on animal studies. If swallowed, seek medical advice

MIXTURE VERSUS INGREDIENT

- Not provided

SUMMARY OF TOXICITY DATA

Component	CAS-No.	Data
Not provided		

CARCINOGENICITY

- This product does not contain any substances that are listed as carcinogens.

COMPOUNDING EFFECTS

- Not known

FOR COOLANTS

USED COOLANTS

- Products resulting from the operation of the vehicle may contain other contaminants. Contact with all types and makes of coolant must therefore be avoided, and a high standard of personal hygiene maintained.

12. ECOLOGICAL INFORMATION

Ecotoxicity : No ecotoxicity studies have been done on this product

Persistence / Degradability : Readily biodegradable.

Bio-accumulative Potential : Does not 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

UN Number : Not allocated

UN Proper Shipping Name : Not allocated

Dangerous Goods Class and Subsidiary Risk : Not allocated

Packing Group : Not allocated

Hazchem Code : Not allocated

Special Precautions : Not regulated under ADGC

15. REGULATORY INFORMATION (AUSTRALIA)

- Regulated under the SUSMP Poisons Standard as Schedule 6 for home use
- Workplace Exposure Standards for Atmospheric Contaminants [Safe Work Australia, April 2013]
- State and Territory 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 generally 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	**:**	11/05/2012
SDS Revision 3.0 Date	**:**	01/08/2019
Manufacturer / Supplier	**:**	Phoenix Lubricants Pty Ltd