SAFETY DATA SHEET

Issue Date: AUGUST 2013
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PHOENIX®

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PX BRAKE FLUID DOT 4 BLU

Code : BFD4BL
Proper Shipping Name : None
Use : Brake Fluid

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

CLASSIFIED AS A HAZARDOUS CHEMICAL ACCORDING TO THE CRITERIA OF SAFE WORK AUSTRALIA

Hazard Class and Category:
Eye Damage Category 1

Signal Word: **DANGER**
GHS Pictograms:

Hazard Statements:
H318: Causes serious eye damage
Precautionary Statements:
P264: Wash hands thoroughly after handling.
P280: Wear eye and face protection.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call the Poisons Centre or doctor.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS:

Component	CAS No.	Conc, %
2-[2-(2-butoxyethoxy)ethoxy) ethanol	143-22-6	10-<30%
Other ingredients not classified as hazardous chemicals according to Safe Work Australia Criteria		

4. FIRST AID MEASURES

REMOVE FROM EXPOSURE IF SAFE TO DO SO

Swallowed :
Unlikely exposure route

- Give large amount of water
- Do not induce vomiting or give anything by mouth to an unconscious person
- Call Poisons Information Centre or seek immediate medical attention

Eye :

- Hold eye open
- Irrigate with water for at least 15 minutes
- Seek immediate medical attention
- Take special care if the person is wearing contact lenses

Skin :

- Flush area with large amounts of water
- Wash skin with soap and water
- Remove contaminated clothing
- Seek medical attention if skin irritation occurs

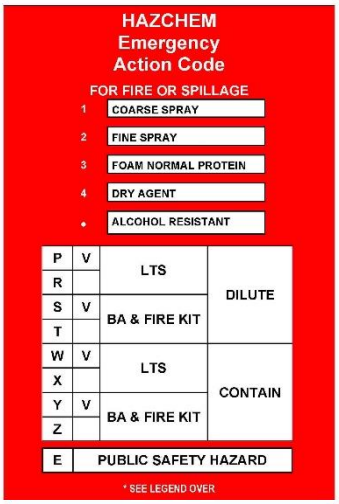
Inhalation :

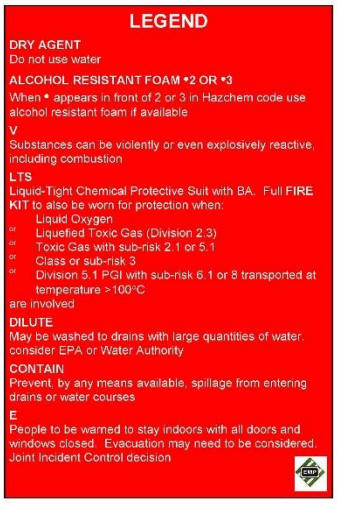
- Remove from exposure
- Loosen/remove clothing
- Move to fresh air and observe until recovered
- Administer artificial respiration if breathing has stopped
- Seek immediate medical attention if respiratory irritation, dizziness, nausea or headache occurs

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 :
Flash point :

Not applicable
154°C

Fire & Explosive Properties :

Combustible at high temperatures. Product is a mobile liquid

Suitable Extinguishing Media :

Suitable extinguishing media are dry chemical Water spray or alcohol resistant foam.

Hazards from Combustion Products :

Fire decomposition products from this product may be toxic if inhaled. (Carbon dioxide and carbon monoxide)

Precautions for Fire Fighters - Special Equipment :

- Positive pressure self-contained breathing apparatus (SCBA) and protective suit
- Protective fire fighting clothing

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. Wash the cleaned up area with copious volumes of water to remove any trace amounts of product. Ethanol mixes completely with water.
Spills can be converted to non-flammable mixtures by dilution with water. Ventilate area well and ensure the atmosphere is safe before personnel return to the work area. If contamination of sewers or waterways has occurred, advise the local emergency services and environmental authorities.

7. HANDLING AND STORAGE

Precautions for Safe Handling:
Wear appropriate protective clothing and equipment to prevent inhalation, skin and eye contact. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Work from suitable, labelled, fire-resistant containers. Keep containers closed when not in use. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges.
Earth or bond all equipment. Do not empty into drains. Maintain a high level of personal hygiene when using the product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.
Conditions for Safe Storage:
Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, foodstuffs, clothing and out of direct s and securely sealed and protected against physical damage.
Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. 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.
Reference should also be made to all Local, State and Federal regulations.

Container Type :
- Store in original packaging as approved by manufacturer or regulatory direction. Do not pressurise, cut, heat or weld containers- residual vapours are flammable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONSTITUENT DATA

Components	CAS-No.	Type	Value

ENGINEERING CONTROLS

- Use in a well ventilated area.

PERSONAL PROTECTION

Eye Protection : Wear safety glasses with side shields, or 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 ventilation is inadequate, wear an approved organic vapour respirator 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	:	Light Blue liquid
Odour	:	Sweet
pH (1% sol'n)	:	Not Applicable
Vapour Pressure (kPa)	:	Not available
Vapour Density	:	>1
Boiling Point	:	>260 deg. C
Freezing / Melting Point	:	Not available
Solubility in Water	:	Miscible
Specific Gravity	:	1.06 at 20 deg. C.

INFORMATION FOR FLAMMABLE MATERIALS

Flash Point		154°C
Percent Volatiles	:	100%
Upper Explosive Limit	:	Not available
Lower Explosive Limit	:	Not available
Auto ignition Temperature	:	Not available

ADDITIONAL INFORMATION

Specific Heat Value	:	N/A
Evaporation Rate	:	Not known
Kinematic Viscosity @ 40°C	:	Not available
Saturation Vapour Concentration	:	N/A
Decomposition Temperature	:	N/A

10. STABILITY AND REACTIVITY

Chemical Stability	:	Stable. Keep containers tightly closed.
Conditions to avoid	:	
Incompatible Materials	:	Strong oxidising agents,
Hazardous Decomposition Products	:	Combustion forms carbon dioxide, and if incomplete, carbon monoxide.

11. TOXICOLOGICAL INFORMATION

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

Swallowed (Oral)	:	Nontoxic, but may irritate the gastric system and cause vomiting.
Eye	:	This product can cause serious and permanent eye damage. Initial symptoms may include stinging and reddening of eyes and watering which may become copious. Untreated contact may lead to damage to the cornea and eye with loss of vision. Wash out immediately. Vapours may irritate the eyes.

11. TOXICOLOGICAL INFORMATION (CONT.)

Skin (Dermal) : Contact with skin may result in slight irritation and redness. Prolonged or repeated contact and heavy skin contamination may cause skin drying and cracking and/or dermatitis with redness, itching, and swelling.

Inhalation : Inhaling mist or spray may lead to irritation.

CHRONIC (MEDIUM OR LONG TERM)

No known effects..

CARCINOGENICITY

FOR BRAKE FLUID

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

USED BRAKE FLUID

- Used products may contain other contaminants. Contact with all types and makes of used brake fluid must therefore be avoided and a high standard of personal hygiene maintained.

12. ECOLOGICAL INFORMATION

Ecotoxicity : Low environmental toxicity. Breakdown may remove oxygen from water

Persistence / Degradability : Material is readily biodegradable. Degrades rapidly in air.

Mobility : Will partition rapidly to air.

Environmental Fate (Exposure) : Do not allow waste product to reach waterways, drains and sewers

Component	Aquatic Toxicity
Fish Toxicity (rainbow trout, goldfish, bluegill) $L(E)C_{50}$ (96hr):	No data available
Blue-green algae (Toxicity threshold 7-8 days):	No data available
Green algae (Toxicity threshold 7-8 days):	No data available

13. DISPOSAL CONSIDERATIONS

Disposal Methods :
Special Precautions for Landfill or Incineration :

This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable, consider controlled incineration in the appropriate equipment.

14. TRANSPORT INFORMATION

UN Number : None

UN Proper Shipping Name : None

Dangerous Goods Class and Subsidiary Risk : None

Packing Group : None

Hazchem Code : None

15. REGULATORY INFORMATION (AUSTRALIA)

COUNTRY: Australia
INVENTORY: AICS **STATUS:** Listed
POISON SCHEDULE: Not Scheduled

Hazardous Chemical according to the criteria of Safe Work Australia.

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
- Ingredient Material Safety Data Sheets

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

CONTACT POINT

Emergency Phone: **1800 638 556** For other 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.

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Supplier : Phoenix Lubricants Pty Ltd