

SAFETY DATA SHEET



PHOENIX®

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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PX UNICOOL BLU

Code : UNICOOL BLU
Proper Shipping Name : Emulsifiable metalworking 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
Skin Corrosion/Irritation Category 2
Skin Sensitisation – Category 1

Signal Word:

DANGER

GHS Pictograms:



Hazard Statements:

H318: Cause serious eye damage
H215: Causes skin irritation
H317: May cause an allergic skin reaction.

Precautionary Statements:

P261: Avoid breathing vapours or spray.
P264: Wash hands thoroughly after handling
P280: Wear protective gloves, eye and face protection.
P362: Take off contaminated clothing and wash before reuse.
P272: Contaminated work clothing should not be allowed out of the workplace.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
P310: Immediately call a POISON CENTRE or Doctor.
P501: Dispose of contents as hazardous waste.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS:

Component	CAS No.	% Proportion
Triethanolamine	102-71-6	1-2%
N,N - Methylenebismorpholine	5625-90-1	0-5%
Diethylamine	109-89-7	0.1-0.7%
Mineral Oil	N/A	Not Specified
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

This product is may cause permanent eye damage on contact. First aid must be given without delay.

Consult the Poisons Information Centre (phone: 13 11 26) for initial advice. All personnel must read and understand this SDS before using this product.

- Swallowed** : *Unlikely exposure route*
- Do not induce vomiting
 - Seek medical attention
 - Keep at rest.
- Eye** :
- Hold eye open
 - Remove contact lenses if easy to do
 - Irrigate with water for at least 15 minutes
 - Seek immediate medical attention
 - Continue irrigation with normal saline or water until the pain of the burn is relieved
- Skin** :
- Flush area with water
 - Wash skin with soap and water
 - Remove contaminated clothing, and wash on site before reuse
 - If symptoms persist, or irritation and rash develops, obtain medical attention
- Inhalation** :
- Remove from exposure
 - Loosen/remove clothing
 - Move to fresh air
 - Administer artificial respiration if breathing has stopped
 - Seek immediate medical attention
- First Aid Facilities** :
- It is recommended that where this product is handled in more than minor quantities (Greater than 500ml) the following facilities be readily available:
- Emergency eyewash facilities
 - Provision for washing affected skin

ADVICE TO DOCTOR

- Treat symptomatically.
- Can cause corneal burns.
- Further information about treatment can be obtained from the Australian Poisons Information Centre.

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** : None
- Fire & Explosive Properties** : C2 Combustible liquid.
- Suitable Extinguishing Media** : In case of fire, appropriate extinguishing media includes:
- Dry Chemical Powder
 - CO₂
 - Foam
- Water can be used to cool and protect exposed material
- Hazards from Combustion Products** : Product is a mobile liquid. Incompatible with strong oxidising agents, acids/alkalis. Combustion may produce oxides of carbon, dense black smoke and toxic decomposition gases. Under combustion conditions, oxides of the following elements will be formed: nitrogen.
- Precautions for Fire Fighters - Special Equipment** :
- Positive pressure self-contained breathing apparatus (SCBA) and protective suit
 - Protective fire fighting clothing
 - Fight from upwind

6. ACCIDENTAL RELEASE MEASURES

- Spills or Leaks** :
- 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
 - Surfaces will be slippery.
 - 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.
 - Do not allow contact with skin and eyes.
 - Use only in well ventilated areas. Ensure Exposure Standards are not exceeded
 - Wear respiratory protection if spray or mist is present.
 - No eating, drinking or smoking in the work area.
 - Remove contaminated clothing before entering eating areas.
 - Maximum Handling temperature: 70 deg. C.
- Conditions for Safe Storage** :
- Store away from food, drink and animal feedstuffs.
 - Store away from oxidising agents, and strongly acid materials.
 - Provide ventilation and containment of spills.
 - Separate or segregate from incompatibles (in accordance with regulatory requirements).
 - Avoid direct sunlight.
 - Keep protected from weather.
 - Provide spill kit.
 - Maximum storage temperature: 45 deg. C.
- Container Type** :
- Store in original packaging as approved by manufacturer or regulatory direction.

HAZCHEM Emergency Action Code			
FOR FIRE OR SPILLAGE			
1	COARSE SPRAY		
2	FINE SPRAY		
3	FOAM NORMAL PROTEIN		
4	DRY AGENT		
5	ALCOHOL RESISTANT		
P	V	LTS	DILUTE
R			
S	V	BA & FIRE KIT	CONTAIN
T			
W	V	LTS	
X			CONTAIN
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 • Class or sub-risk 3 • Division 5.1 PGI with sub-risk 6.1 or 8 transported at temperature >100°C are involved
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



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONSTITUENT DATA

Components	CAS-No.	Type	Value
Triethanolamine	102-71-6	TWA	5 mg/m ³
Oil mist, mineral	8012-95-1	TWA	10 mg/m ³
Diethylamine	109-89-7	TWA	10 ppm / 30 mg/m ³
		STEL	25 ppm / 75 mg/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 with safety glasses, 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. Replace regularly.
- Clothing** : Wear body protective clothing and industrial footwear in accordance with **AS2919 - Industrial clothing**. Where risk of contact is high, use impervious clothing and boots.
- Respiration** : If ventilation is inadequate or if sprays or mists occur, wear an approved respirator in accordance with **AS/NZS1715 - Selection, use and maintenance of respiratory protective devices**



Available



Side shields



or



PVC



Industrial



Non slip



or



Organic

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Liquid
- Odour** : Amine
- pH** : 10.3, alkaline
- Vapour Pressure (kPa)** : Low
- Vapour Density** : No data
- Boiling Point** : 100 deg. C.
- Freezing / Melting Point** : No specific data. <0 Deg C
- Solubility in Water** : Complete
- Specific Gravity** : 1.008
- Flash Point** : N/A, > 93 deg C
- Upper Explosive Limit** : N/A
- Lower Explosive Limit** : N/A
- Auto ignition Temperature** : N/A
- VOC Content** : <10%
- Evaporation Rate** : N/A
- Kinematic Viscosity @ 40°C** : N/A
- Octanol / Water Partition** : N/A
- Coefficient**
- Saturation Vapour Concentration** : N/A
- Decomposition Temperature** : N/A

10. STABILITY AND REACTIVITY

Chemical Stability	:	Product is stable under normal conditions of use, storage and temperature.
Conditions to Avoid	:	Avoid naked flames
Incompatible Materials	:	Incompatible with oxidising agents.
Hazardous Decomposition Products	:	None in normal use.
Hazardous Reactions	:	None.

11. TOXICOLOGICAL INFORMATION

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

Swallowed (Oral)	:	May be irritating to the digestive tract.
Eye	:	Causes severe irritation and permanent damage to the eye. Can cause corneal burns and permanent damage, even blindness if not removed quickly. Mist and spray are irritating to eyes at low concentrations.
Skin (Dermal)	:	Contact with skin can cause irritation. Prolonged and repeated contact may cause skin defatting, with dryness, cracking and dermatitis. May cause an allergic skin reaction in some individuals, with rash or irritation from minimal contact, despite use of gloves.
Inhalation	:	Inhalation of vapour may produce nausea or headaches. Inhalation of mist or spray can produce irritation of the nose, throat and respiratory system, the higher the concentration and amount the more severe the irritation.

CHRONIC (MEDIUM OR LONG TERM)

May cause an allergic skin reaction in some individuals, with rash or irritation from minimal contact, despite use of gloves.

CARCINOGENICITY

- There is no evidence for ingredients being carcinogenic, mutagenic or teratogenic to humans.

FOR OILS/ FLUIDS

USED OILS/ FLUIDS

- Products resulting from the operation of machinery may contain contaminants. Used oils/ fluids 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.

12. ECOLOGICAL INFORMATION

Ecotoxicity	:	May be harmful to aquatic organisms.
Persistence / Degradability	:	Material expected to be readily biodegradable. Degrades rapidly in air.
Mobility	:	Will bind to soil.
Environmental Fate (Exposure)	:	Do not allow waste product to reach waterways, drains and sewers

13. DISPOSAL CONSIDERATIONS

Disposal Methods	:	
Special Precautions for Landfill or Incineration	:	Dispose of as hazardous waste with a licensed contractor.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS DANGEROUS GOODS

UN Number : None
UN Proper Shipping Name : None
Dangerous Goods Class
and Subsidiary Risk : None
Packing Group : None

Dangerous Goods Segregation:

This product is not classed as Dangerous Goods

15. REGULATORY INFORMATION (AUSTRALIA)

COUNTRY: Australia
INVENTORY: AICS
INGREDIENT STATUS: Listed
POISON SCHEDULE: None

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:

- AS/NZS 1337: Eye protectors for industrial applications
- AS/NZS 1715: Selection, use and maintenance of respiratory devices
- AS/NZS 1716: Respiratory protective devices

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
SUSMP Standard for the Uniform Scheduling of Medicines & Poisons
UN Number United Nations Number

CONTACT POINT

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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