Safety Data Sheet

READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF THIS PRODUCT

PRODUCT CODE AND NAME: **PRIXMAX 2108 INHIBITOR CONCENTRATE NZ**
DATE ISSUED: **NOVEMBER 2014**
COMPANY: **PRIXMAX AUSTRALIA PTY. LTD.**

1. PRODUCT AND COMPANY NAME

PRODUCT CODE AND NAME:
PRIXMAX 2108 INHIBITOR CONCENTRATE

Recommended Use: Automotive engine cooling system treatment.

COMPANY INFORMATION:
This product is distributed by:

PHOENIX INTERNATIONAL MARKETING CO LTD
25a Fancourt St,
Meadowbank, Auckland 1072
New Zealand
Tel: + 64 95783960
Fax: + 64 95783961
Emergency Telephone Number: +64 800 764 766 (0800 POISON)

This product is manufactured by:

PRIXMAX AUSTRALIA PTY. LTD.
47-49 Redgum Drive
Dandenong South, Victoria 3175
Australia
Tel: +61 3 9706 4443
Fax: +61 3 9706 6645
Emergency Telephone Number: +61 413 433 105

2. HAZARDS IDENTIFICATION

Not classified as a Dangerous Good under NZS 5433:2012 Transport of Dangerous Goods on Land.

Classified as hazardous according to the criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

GHS Hazard Classification:
Skin Corrosion/Irritation – Category 3
Serious Eye Damage/Eye Irritation – Category 2A

Signal Word: WARNING
Hazard Pictogram:

Hazard Statements:
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.

Precautionary Statements:
Prevention:

P103 Keep out of reach of children.
P104 Read label and Safety Data Sheet before use.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response:
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
Storage:

Disposal:
P501 Dispose of contents/container in accordance with local regulations.

NEW ZEALAND CLASSIFICATION

HSNO Classification: HSR002549

Subclass
6.3 Category B – Substances that are mildly irritating to the skin.
6.4 Category A – Substances that are irritating to the eye.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

No.	Chemical Name	CAS Number	Wt %
01	*Non-hazardous ingredients	Proprietary	V HIGH
02	Triethanolamine	149-57-5	MED

** (Ingredients present at non-hazardous concentrations, according to criteria of SWAC (Safe Work Australia Council), based on available information).*

PROPORTION (%weight per weight)
V HIGH > 60, HIGH 30 - 60, MED 10-29, LOW 1-9, V LOW < 1

4. FIRST AID MEASURES

Inhalation:
If irritation, headache, nausea, or drowsiness occurs, remove victim from exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing and allow victim to assume most comfortable position and keep warm and at rest until fully recovered. If breathing is laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek medical attention immediately. Show this sheet to the doctor.

Skin:
If skin or hair contact occurs, removed contaminated clothing and flush skin and hair with running water. If irritation develops or persists seek medical attention. Show this sheet to the doctor.

Eyes:
If in eyes, hold eyelids apart and flush the eye continuously with copious amounts of running water for at least 15 minutes. Take care not to rinse contaminated water into the non-affected eye. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, seek medical attention immediately. Show this sheet to the doctor.

Ingestion:
If swallowed, so NOT induce vomiting. Rinse mouth with water. Give a glass of water to drink. Never give anything by mouth to an unconscious or convulsing person. If vomiting occurs give further water. If symptoms develop seek medical attention. Show this sheet to the doctor.

Medical attention and special treatment:
All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote available.

Poisons Information:
For advice contact a Poisons Information Centre (Phone *Australia 13 1126*) or a doctor (at once).

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:
For large fires use water fog, fine water spray or foam. Do not use water jets.
For small fires use foam, dry chemical, carbon dioxide or water spray.

Hazards from combustion products:
This product is a non-combustible liquid. It is not readily combustible under normal conditions; however it will break down under fire conditions and the organic component may burn. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes thermal or oxidative degradation.

Special protective equipment and precautions for fire fighters:
Fire fighters should wear full protective clothing including a self contained breathing apparatus if risk of exposure to vapour or products of combustion following evaporation of aqueous component.

Hazchem Code:
None applicable.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:
Avoid contact with skin and eyes.
Personal protective equipment:
- appropriate gloves.
- eye/face protection (safety glasses with side shields or splash proof goggles).
- suitable protective clothing.

For further information, refer to section 8 "Exposure Controls / Personal Protection".
Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental Precautions:
Contain – prevent run off into drains and waterways. If large quantities of this material enter the waterways contact the Environment Protection Authority, or your local Waste Management Authority. Dispose of waste according to Federal, EPA, state and local regulations.

Methods for Cleaning up: -
- Recovery: Absorb the product onto suitable, non-combustible porous material. Sweep up or vacuum up the product. Collect up the product and place it in a spare container, suitably labelled. Keep the recovered product for subsequent disposal.
- Cleaning/Decontamination: Wash contaminated area with large amounts of water. Recover the cleaning water for subsequent disposal.
- Disposal: Dispose of all contaminated materials in accordance with local regulations. (Refer to section 13 "Disposal Considerations").

Further information:
Warning: Material can create slippery conditions.

Dangerous Goods - Initial Emergency Response Guide (IERG) (SAA/SNZ HB76)
Not applicable.

7. HANDLING AND STORAGE

Precautions for safe handling:
Avoid skin and eye contact and breathing in vapour. Use with adequate ventilation. Always wash hands thoroughly after handling. Wash contaminated clothing and other protective equipment before storage or re-use. For further information refer to section 8 "Exposure Controls/Personal Protection". Do not dispose of material in sewers or waterways.

Conditions for safe storage:
Keep all containers tightly closed when not in use – check regularly for leaks. Store in a cool, dry, well ventilated place out of direct sunlight. Store away from incompatible materials such as strong oxidising agents and foodstuffs. For further information refer to section 10 "Stability and Reactivity".

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:
No value has been assigned for this specific material by the National Occupational Health and Safety Commission or Safe Work Australia Council. However, over-exposure to any chemical may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions.

Exposure Limit:
In the absence of occupational exposure standards for this product, it is recommended that the following be adopted.

	TWA		**STEL**		**Notices**
	ppm	mg/m^3	ppm	mg/m^3	
Triethanolamine	-	5	-	-	Sensitiser

As published by the National Occupational Health and Safety Commission.

TWA (Time-Weighted Average) – airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.
STEL (Short term Exposure Limit) – the average airborne concentration over a 15 minute period which should not be exceeded at any time over an entire working life.
Notice – sensitiser. This substance can cause a specific immune response in some people. An affected individual may subsequently react to exposure to minute levels of that substance.

Engineering controls:
Natural ventilation should be adequate under normal conditions of use. Keep containers closed when not in use.

Personal protective equipment:
Respiratory protection: None required. Use with adequate ventilation. If inhalation risk exists wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
Eye protection: Safety glasses or a face shield are recommended to prevent eye contact.
Skin/Body protection: Wear overalls, safety shoes, and impervious gloves (rubber/PVC gloves). Due to variations in glove constructions and local conditions, final assessment should be made by the user.

Workplace Hygiene Measures:
Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:
- Do not store, use, and /or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- Always wash hands and face before eating, drinking, smoking, applying cosmetics, or using the toilet.
- Wash contaminated clothing and other protective equipment before storage of re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Green liquid.
Odour:	Mild organic odour
Odour threshold:	No data available.
pH:	8.6 for undiluted product.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	No data available.
Evaporation rate:	No data available.
Flammability (solid, gas):	Not applicable.
Upper/lower flammability:	Not applicable.
Vapour Pressure:	No data available.
Vapour density:	No data available.
Specific Gravity:	1.07 at 20.0°C
Solubility in Water:	Complete.
Solubility in Organic Solvents:	No data available.
Partition coefficient: n-octanol/water:	No data available.
Auto-ignition temperature:	Not applicable.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Oxidizing Properties:	Not applicable.

10. STABILITY AND REACTIVITY

Chemical stability:
Stable under normal conditions of use.

Hazardous reactions:
No known hazardous reactions.

Conditions to avoid:
Excessive heat – will lead to accelerated oxidative degradation – sources of ignition.

Incompatible materials:
Avoid contact with strong oxidising agents. Triethanolamine is incompatible with strong acids, strong oxidising agents, halogenated hydrocarbons, cellulose, sawdust, aluminium, alkali metals, and metal hydrides.

Hazardous decomposition products:
Product does not decompose at ambient temperatures. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes thermal or oxidative degradation.

11. TOXICOLOGICAL INFORMATION

No LD_{50} data available for the product. The toxicological information is based on data from a hazardous ingredient. No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms of effects that may arise if the product is mishandled and overexposure occurs are:

Triethanolamine:

Acute health effects:
Ingestion: Swallowing can result in nausea, vomiting, diarrhoea, and gastrointestinal irritation.
Eye: An eye irritant.
Skin: Contact with skin may result in irritation.
Inhaled: Breathing in vapour may produce respiratory irritation.

Long term effects:
Not listed as carcinogenic according to IARC. Under certain circumstances nitrosamines can form in contact with nitrosating agents. Some nitrosamines were found to cause cancer in animal experiments. Contact skin allergy has been reported in people occupationally exposed to triethanolamine in the textile industry and in metalworking fluids and to people non-occupationally exposed to triethanolamine in cosmetics and medicines. Negative results have been obtained in a large number of animal skin sensitization tests. In tests with animals, long-term ingestion and skin contact exposures to high doses caused damage to the liver and kidney.

Toxicological data:
Oral: LD_{50} : 4190 mg/kg (rat).
LD_{50} : 5000 mg/kg (rabbit).
Dermal: LD_{50} : >2000 mg/kg (rabbit).

12. ECOLOGICAL INFORMATION

Complete ecological testing on this product has not been conducted. The information is based on information for representative substances.

The potential to bioaccumulate has not been determined, however the majority of the components in this product would be expected to be inherently readily biodegradable.

Ecotoxicity:
Avoid contaminating waterways.

Persistence and degradability:
This material is expected to be readily biodegradeable according to the AS 4351 Part 2 test method.

Mobility:
Not determined.

Aquatic toxicity:
Non hazardous to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Residues from product
Prohibition: Discharging waste into rivers and drains is forbidden.

Destruction/Disposal: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate or otherwise inappropriate. Dispose of in accordance with relevant national and local regulations, EPA requirements and safety regulations at an authorised site.

Contaminated packaging
Prohibition: Do not dispose of the product at a rubbish tip.

Decontamination/Cleaning: Any containers or equipment used should be decontaminated immediately after use. Completely empty the packaging prior to decontamination. Carefully drain and then steam clean.

Container Handling and Disposal: Recycle following cleaning or dispose of at an authorised site.

14. TRANSPORT INFORMATION

UN Number: None allocated
Proper Shipping Name: None allocated
Dangerous Goods Class: None allocated
Subsidiary risk: None allocated
Packing Group: None allocated
Hazchem Code: None allocated

Land Transport: (New Zealand)
Not classified as Dangerous Goods according to NZS 5433:2012 Transport of Dangerous Goods on Land.

Marine Transport:
Not classified as Dangerous Goods according to the International Maritime Organization Rules (Maritime Dangerous Goods Code - IMDG Code) for transport by sea.
Marine pollutant: No

Air Transport:
Not classified as Dangerous Goods according to the International Civil Aviation Organization (ICAO) and International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Poison Schedule (Australia): S5

Inventory Status
Australia (AICS) Y
New Zealand (NZIoC) Y
Y = All ingredients are on the inventory.
E = All ingredients are on the inventory or exempt from listing.
P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.
N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.
NOTE:
The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

International Regulatory Information:
NZ HSNO Approval Code: HSR002606

16. OTHER INFORMATION

Contact Point: PrixMax Australia Pty. Ltd. **Ph: +61 3 9706-4443**

This Safety Data Sheet should be used in conjunction with the Technical Data Sheet. It does not replace them. The information given is based on our knowledge of the health and safety data of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any purpose other than that for which it was intended. If clarification or further information is needed to enable appropriate risk assessment, the user should contact PrixMax Australia Pty. Ltd. Our responsibility for the products sold is subject to our standard terms and conditions sent to customers. No liability whatsoever can be accepted with regard to the handling, processing or use of the product concerned which, in all cases, shall be in accordance with the appropriate regulations and/or legislation.

END OF SAFETY DATA SHEET