Date of issue: 30th May 2007

Material Safety Data Sheet

This substance is classified as Hazardous according to the criteria of Worksafe Australia.

CORROSION INHIBITOR

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name	Corrosion Inhibitor
Product Code	
Product Use	Engine Cooling System Treatment
Other Names	
Other Information	

2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition	Chemical entity	CAS number	Proportion
	Tolytriazole	29385-43-1	<1%
	Triethanolamine	102-71-6	10-30%
	Other ingredients determined not to hazardous		to 100%

3. HAZARDS IDENTIFICATION

HUMAN HEALTH HAZARDS – ACUTE
EYES – may cause moderate irritation
SKIN – can cause moderate irritation, extended contact may cause more severe irritation of the skin.
INGESTION – irritation of the gastro-intestinal tract will occur with nausea, vomiting and diarrhoea and abdominal pains.
INHALATION – irritating to eyes, nose, throat and lungs
HUMAN HEALTH HAZARDS – CHRONIC
No adverse effects are to be expected than the above.

4. FIRST AID MEASURES

Eye Contact	Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open for at least 15 minutes. Obtain medical attention if irritation continues.
Skin Contact	Wash skin with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.. Launder contaminated clothing..
Ingestion	Do NOT induce vomiting. Rinse mouth out thoroughly with water. Seek medical attention immediately.
Inhalation	If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice. As with any chemical, exposure by ingestion, inhalation or contact with eyes or skin should be avoided by correct occupational practices.
Advice to Doctor	Treatment should in general be symptomatic and directed to relieving any effects.

5. FIRE FIGHTING MEASURES

Flash Point	Non flammable
Extinguishing media	Choice of extinguishing media should be made by what other materials are present.
Fire and explosion Hazard	Not flammable or combustible – oxides of carbon nitrogen and sulphur may be evolved in a fire.
Special protective Equipment for fire fighting	In case of fire, wear a full face self-contained breathing apparatus and protective suit

6 ACCIDENTAL RELEASE MEASURES.

Personal Precautions	Restrict access to area affected until clean-up is completed. Use personal protective equipment as detailed in section 8. Do not touch spilled material. Emergency equipment should be available. Notify appropriate authorities. Do not contaminate surface waters.
Environmental Precautions	Soak up spilled material using sand or other suitable inert absorbent material. Place residues in a suitably marked sealed container. Protect drains from potential spills to minimise contamination. In the case of large spills contact the appropriate authorities.
Clean up methods	

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Avoid frequent or prolonged skin contact. Wear PVC or similar gloves.
Storage	Store only in original or approved containers.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Occupational Exposure Limits	**Exposure Limits**	
Ingredient name	TWA	STEL
Triethanolamine	5mg/m^3	-

Engineering measures	Local exhaust ventilation should be provided
Personal Protection	
Eyes	Use chemical splash goggles.
Skin	Wear standard protective clothing.
Hands	Wear any impervious gloves.
Respiratory	Respiratory protection is not generally needed. If ventilation is inadequate, use respirator that will protect against dusts and mists. Respiratory protection should conform to AS/NZS 1715 and AS/NZS 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odour	Slight
Boiling Point	N/A,
pH Value	8.5-8.7 (5% solution)
Vapour Pressure	N/A
Physical State	Liquid
Colour	Pale Green
Density	1.08-1.09

10. STABILITY AND REACTIVITY

Hazardous Polymerisation	Hazardous polymerisation reactions will not occur.
Materials to Avoid	Strong oxidizers and strong acids
Hazardous Decomposition Products	Oxides of carbon, nitrogen and sulphur
Conditions to Avoid	Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA	No toxicity studies have been done on this product
Ingestion	Unlikely to cause harm in small doses. Larger quantities may cause nausea and diarrhoea.
Skin	May cause mild irritation.
Eye	Likely to cause mild to moderate irritation, if accidental eye contact occurs.

12. ECOLOGICAL INFORMATION

Biodegradability	Not Determined.
Bioaccumulation	Not Determined

13. DISPOSAL CONSIDERATIONS

Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.
Dispose of product and container carefully and responsibly.
Do not dispose of near ponds, ditches, down drains or onto soil.

14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the criteria of the ADG Code

U.N. Number	None Allocated
Proper Shipping Name	None Allocated
DG Class	None Allocated
Hazchem Code	None Allocated
Packing Group	

15. REGULATORY INFORMATION

POISONS SCHEDULE: S5

Hazardous according to the criteria of the National Health and Occupational Health and Safety Commission

Classification	Irritant – Xi Harmful – Xn
Risk Phrases	R22 – harmful if swallowed R36/37/38 irritating to eyes, respiratory system and skin
Safety Phrases	S2 KEEP OUT OF REACH OF CHILDREN S24/25 avoid contact with skin and eyes S26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 after contact with skin wash immediately with plenty of water S36/37/39 wear suitable protective clothing, gloves and eye protection S45 in case of accident or if you feel unwell, seek medical advice immediately

16. OTHER INFORMATION

IMPORTANT ADVICE: This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

End of MSDS