

# Material Safety Data Sheet

infosafe  
CS: 1.6.13

Page: 1 of 3

Infosafe No™ ZZ0BS Issue Date : April 2014 ISSUED by HOUGHTON

Product Name **INHIBITOR 3344**

Classified as hazardous

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** INHIBITOR 3344  
**Company Name** HOUGHTON AUSTRALIA PTY LTD  
**Address** 287 Wickham Road MOORABBIN  
VIC. 3189  
**Emergency Tel.** + 61 1300300615 (New Zealand 0800 243 622 CHEMCALL)  
**Telephone/Fax Number** Tel: + 61 1300736642  
**Recommended Use** Bactericide/fungicide for metal - working coolants. METHOD OF APPLICATION:  
Added to coolant systems.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Classified as hazardous  
HAZARDOUS SUBSTANCE.  
NON-DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.

**Risk Phrase(s)** Classified as hazardous  
R22 Harmful if swallowed.  
R36/38 Irritating to eyes and skin.

**Safety Phrase(s)** 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.  
S37/39 Wear suitable gloves and eye/face protection.

**Sensitization of Product** Substances of similar chemical composition can cause skin sensitisation on close contact.

**Medical Conditions Generally Aggravated by Exposure** Diseases of muscle and nerve, e.g. muscular dystrophy or multiple sclerosis, may be aggravated by exposure.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Water Content		60-100 %		
	Hydroxymethyl amino ethanol	34375-28-5	30-60 %	Xn, Xi	R20/22, R41
	Additives*	Proprietary	0-10 %		
	Sodium Omadine	3811-73-2	0-10 %	Xn, Xi	R22, R36/38

## 4. FIRST AID MEASURES

**Inhalation** Remove to fresh air. If effects persist seek medical attention.

**Ingestion** Immediately rinse mouth. Contact a doctor or Poisons Information Centre immediately. Drink plenty of water.

**Skin** Immediately remove contaminated clothing and shoes. Wash off skin with soap and water. Launder contaminated clothing before re-use.

**Eye** Immediately flush with plenty of water for at least 15 minutes with eyelids held open. Seek urgent medical attention.

**First Aid Facilities** Water suitable for eyes and skin should be available in, or near workplace.

**Advice to Doctor** Treat symptomatically

## 5. FIRE FIGHTING MEASURES

**Hazards from Combustion Products** When heated, formation of formaldehyde, alkanolamine and some oxides of carbon and sulphur.

**Specific Hazards** Low hazard - contains water. In case of fire, use extinguishers appropriate to the material that is burning.

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infosafe  
CS: 1.6.13

Page: 2 of 3

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## 6. ACCIDENTAL RELEASE MEASURES

**Spills & Disposal** Contain spill with absorbent materials (eg. sand, sawdust). Avoid contact with eyes, skin and clothing. Prevent run off into drains or waterways. Transfer back to properly labelled containers. Flush small spills with copious amounts of water to effluent treatment. Must be disposed to approved landfill.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Avoid contact with eyes, skin and clothing

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Hydroxymethyl amino ethanol			0.5	1	Formaldehyde released
<b>Other Exposure Information</b>	None known.					
<b>Engineering Controls</b>	Work in well ventilated area. Keep containers closed when not in use.					
<b>Personal Protective Equipment</b>	Avoid contact with eyes and skin, and avoid saturated clothing in contact with the skin. Use chemical resistant protective clothing such as apron, gloves and safety goggles. Keep containers closed. Always wash hands before eating, drinking, smoking or going to the toilet. Do not eat or drink while using this material.					

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Pale yellow liquid. Mild - amine odour.

**Boiling Point** >100°C

**Solubility in Water** Complete

**Specific Gravity** 15°C: 1.07

**pH Value** 10.5

**Vapour Pressure** mmHg 25°C: Very low

**Flash Point** Not applicable.

**Flammability** Low hazard - contains water.

**Flammable Limits - Lower** Not known

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Stable under normal use conditons.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information** Hydroxymethyl amino ethanol - Oral LD50 1490 mg/kg (rat).  
Sodium Pyrithione - Oral LD50 approx 1500 mg/kg (rat).

**Inhalation** May cause irritation to mucous membranes and respiratory tract.

**Ingestion** Harmful and irritating if swallowed.

**Skin** Irritant.

**Eye** Irritant.

**Chronic Effects** Not known.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Data not available.

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infosafe  
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Page: 3 of 3

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## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal** Disposal of this material should be undertaken by a registered chemical disposal company.

## 14. TRANSPORT INFORMATION

**Storage and Transport** Store in a cool, dry, well-ventilated area away from strong oxidants and acids. Containers should be kept sealed when not in use. Avoid aluminium and other non-ferrous metals. No special requirements for transport.

## 15. REGULATORY INFORMATION

**Hazard Category** Harmful, Irritant

**AICS (Australia)** All components listed.

## 16. OTHER INFORMATION

**Contact Person/Point** 1300 736 642 Technical Manager  
24 hour Contact 1300 300 615  
The above information is not intended to have contractual effect nor to cover all individuals and situations.  
...End Of MSDS...

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