



STATEMENT OF HAZARDOUS NATURE

Non-Hazardous According to Criteria of Worksafe Australia

IDENTIFICATION

Product Name:	103 –Liquid Intelligents
Chemical Name:	Antifreeze / Antiboil Red
Manufacturer's Product Code:	103
UN Number:	None allocated
Dangerous Goods Class:	None allocated
Subsidiary Risk[s]:	S5
Hazchem Code:	None allocated
EPG NO.:	None allocated
Poisons Schedule Number:	S5
Toxic and Hazardous	
Ingredients:	Ethylene Glycol
Uses:	Antifreeze / Antiboil

PHYSICAL DESCRIPTION AND PROPERTIES

Colour:	Red
Appearance:	Red clear liquid
Form:	Liquid
Softening Point:	Not required
Boiling Point:	136°C
Vapour Pressure:	0.12
Specific Gravity:	1.112 @ 20°C
Volatiles by Volume:	No data
Evaporation Rate:	No data
Vapour Density:	No data
Odour:	Low
Solubility in Water (g/l):	Totally miscible in water and alcohols.

FLASH POINT

Flash Point:	111°C
Flammability Limits Upper:	Not applicable
Flammability Limits Lower:	Not applicable
Auto ignition Temperature:	No Data

INGREDIENTS

Chemical Name	CAS Number	Proportion
Monoethylene Glycol	107-21-1	96%
Polymers / Water	----	<1%
Corrosion Inhibitors	----	>3%

HEALTH HAZARD INFORMATION

MATERIAL SAFETY DATA SHEET

HEALTH EFFECTS:

Acute:

- Swallowed:** Harmful if swallowed. Swallowing can result in signs of intoxication followed by nausea and vomiting.
- Skin:** May cause skin sensitisation. Repeated exposure to the skin can cause hardening and cracking.
- Eyes:** Mild eye irritant.
- Inhaled:** Irritates the respiratory tract, effects are mainly transitory and reversible.

Chronic: Repeated or prolonged skin contact may lead to irritant contact dermatitis.

FIRST AID:

- Swallowed:** Immediately rinse mouth with water. If more than 15 minutes from a hospital induce vomiting using fingers in the throat or Ipecac Syrup APF. Seek medical assistance.
- Skin:** Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation occurs seek medical advice
- Eyes:** Rinse affected eye/s thoroughly with warm gently running water, holding apart the upper & lower eyelid/s occasionally, for at least 20 minutes. If irritation persists, seek medical advice.

ADVICE TO DOCTOR: Treat symptomatically.

PRECAUTIONS FOR USE:

- Personal Protection:** Avoid contact with the skin and eyes, and avoid breathing vapours and mists. When exposure is likely, personal protective equipment in a combination appropriate to the exposure.
- Flammability:** This product is non-flammable

SAFE HANDLING INFORMATION

- Storage and Transport:** Store in a cool place and out of direct sunlight. Store away from acids, oxidising agents and foodstuffs. Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road and rail.
- Ventilation:** General or local ventilation should be used to control airborne levels.

MATERIAL SAFETY DATA SHEET

Handling:	This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.
Storage Temperature:	Store in a cool dry well ventilated place.
UN Class:	None allocated
Packaging Group:	None allocated
UN Number:	None allocated
EPG Number:	No Data
Correct Shipping Name: Dihydroxyethanr	Ethylene Glycol, 1, 2 Ethynodiol, 1, 2
Spills and Disposals:	Slippery when split,. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours.
Environmental Precautions:	Prevent product from entering drains, watercourses and sewers. If product enters drains, watercourses and sewers inform Police, Fire Brigade and Local Authorities immediately.
Recovery:	Collect into suitable containers for disposal. If required ventilate the area immediately & disposed of in accordance with local environmental protection legislation.

DANGER OF VIOLENT REACTION OR EXPLOSION: NO

Can react with acids and strong oxidising agents.

Fire/Explosion Hazard:	This product is non-flammable
Decomposition Products:	Not applicable
Hazchem Code:	None allocated

CONTACT POINT:

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MATERIAL SAFETY DATA SHEET

Emergency Services

Dial 000

Disclaimer:

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