

**STATEMENT OF HAZARDOUS NATURE**

Non-Hazardous According to Criteria of Worksafe Australia

**IDENTIFICATION**

<b>Product Name:</b>	110 Hybrid Organic Carboxlate Radiator Inhibitor AS2108.2004
<b>Manufacturer's Product Code:</b>	Liquid Intelligents110
<b>Chemical Name</b>	Organic Carboxlate Radiator Inhibitor
<b>UN Number:</b>	None allocated
<b>Dangerous Goods Class:</b>	None allocated
<b>Subsidiary Risk[s]:</b>	S5
<b>Hazchem Code:</b>	None allocated
<b>EPG NO.:</b>	None allocated
<b>Poisons Schedule Number:</b>	None allocated
<b>Toxic and Hazardous Ingredients:</b>	C12 Organic Acid
<b>Uses:</b>	Radiator Coolant
<b>Colour:</b>	Green
<b>Appearance:</b>	Green clear liquid
<b>Form:</b>	Liquid
<b>Softening Point:</b>	Not required
<b>Boiling Point:</b>	105°C
<b>Vapour Pressure:</b>	No data
<b>Specific Gravity:</b>	1.05 @ 20°C
<b>Volatiles by Volume:</b>	No data
<b>Evaporation Rate:</b>	No data
<b>Vapour Density:</b>	No data
<b>Odour:</b>	Low
<b>Solubility in Water (g/l):</b>	Totally miscible in water and alcohols.

**FLASH POINT**

<b>Flash Point:</b>	Non-Flammable
<b>Flammability Limits Upper:</b>	Not applicable
<b>Flammability Limits Lower:</b>	Not applicable
<b>Auto ignition Temperature:</b>	No Data

**INGREDIENTS**

Chemical Name	CAS Number	Proportion
C12 H12 O2 Pentanecarboxylic	142-62-1	>30%
Water		<65%
Corrosion Inhibitors	15217-42-2	>5%

## MATERIAL SAFETY DATA SHEET

### HEALTH HAZARD INFORMATION

#### HEALTH EFFECTS:

##### Acute:

- Swallowed:** Harmful if swallowed. Swallowing can result in 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.

## MATERIAL SAFETY DATA SHEET

<b>Handling:</b>	This material is a Scheduled Poison and must be stored, maintained and used in accordance with the relevant regulations.
<b>Storage Temperature:</b>	Store in a cool dry well ventilated place.
<b>UN Class:</b>	None allocated
<b>Packaging Group:</b>	None allocated
<b>UN Number:</b>	None allocated
<b>EPG Number:</b>	No Data
<b>Correct Shipping Name:</b>	Pentanecarboxylic acid
<b>Spills and Disposals:</b>	Slippery when split, Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours.
<b>Environmental Precautions:</b>	Prevent product from entering drains, watercourses and sewers. If product enters drains, watercourses and sewers inform Police, Fire Brigade and Local Authorities immediately.
<b>Recovery:</b>	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**

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

**CONTACT POINT:**

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<b><u>24 Hour Emergency Tel No.</u></b>	<b>Above Mobile</b>
<b><u>Emergency Services</u></b>	<b>Dial 000</b>

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