

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL

**Product Name:** CRYSTAL

**Other names** None

**Recommended Use:** Non-caustic liquid for automatic glass washing machines.

EMERGENCY TELEPHONE NO: POISONS INFORMATION CENTRE **13 1126** OR (08) 8347 0040

### 2. HAZARD IDENTIFICATION

**Classification of the substance:**

Acute toxicity – category 4

**Label elements**

**Pictograms:**



**Signal word:** WARNING.

**Hazard statements:**

H302 May be harmful if swallowed

H332 Harmful if inhaled

H315 Causes skin irritation

H320 Causes eye irritation

**Precautionary Statements:**

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children

P103: Read label before use.

P261: Avoid breathing spray mist.

P262: Do not get in eyes, on skin, or on clothing.

P280: Wear protective gloves and eye protection.

**Response:**

P301+ P311 + P331: IF SWALLOWED: Call a POISON CENTER or doctor. Do NOT induce vomiting.

P302 + P353: IF ON SKIN: Rinse skin with water.

P332+313: If skin irritation occurs: Get medical advice.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337+313: If eye irritation persists get medical advice.

**Disposal:**

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Name</u>	<u>Proportion (w/v)</u>	<u>CAS Number</u>
2-Aminoethanol	<10%	141-43-5
Other ingredients not classified as hazardous	10-30%	Not classified as hazardous
Water	Balance	7732-18-5

### 4: FIRST AID MEASURES

For Advice, contact a Poisons Information Centre on 13 1126 (Australia wide) or a doctor.

**Swallowed :** If swallowed, do NOT induce vomiting.

**Eye:** If in eyes, wash out immediately with water. Remove contact lenses if present and easy to do. Continue rinsing.

**Skin:** If skin or hair contact occurs, remove contaminated clothing and wash off with water. Launder clothing prior to reuse.

**Inhaled:** Not normally an inhalation hazard. If any suspicion of aspiration into lungs (e.g. after swallowing and subsequent vomiting) seek urgent medical attention.

**Advice to doctor:** Treat symptomatically.

### 5: FIRE FIGHTING MEASURES

Non-flammable

**Specific Hazards:** No specific hazards known.

**Extinguishing Media:** Water spray. (Non-flammable.)

**Unsuitable Extinguishing Media:** None known or expected.

**Protective Equipment for Firefighters:** Wear full protective clothing and self-contained breathing apparatus.

**Additional Advice:**

**Hazchem Code** No Hazchem code is set for this product under ADG code.

### 6: ACCIDENTAL RELEASE MEASURES

**Observe all relevant local, federal and international regulations.**

**Protective measures:** Avoid contact with spilled or released material. Immediately remove all contaminated clothing. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. For guidance on disposal of spilled material see Chapter 13 of this Material Safety Data Sheet. Shut off all leaks if this is possible without personal risk. Contain to prevent environmental contamination. Prevent from spreading or entering drains, ditches or rivers using sand, earth or other inert barriers.

**Spills:** Spills may be slippery. Clean up all spills promptly. For small liquid spills (< 1 drum), mop up all possible material and place in a sealable container for re-use or disposal. Rinse off remainder with water. Dispose in accordance with Federal, State and Local regulations.  
For large spills (> 1 drum), transfer by mechanical means, such as vacuum truck, to a salvage tank for recovery or safe disposal. Rinse off remaining residue with water. Dispose in accordance with Federal, State and Local regulations.

## 7: HANDLING AND STORAGE

- Precautions:** Avoid contact with skin and eyes.  
Wear impervious rubber or PVC gloves if any skin contact is likely.
- Storage:** Store at ambient room temperature, out of reach of children. Ensure containers are correctly labelled, protected from potential damage and properly sealed when not in use.

## 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure limits:** No exposure limits available for this product, however exposure limits for its hazardous ingredient is as follows:

Ingredient	Reference	TWA		STEL	
		Ppm	mgm <sup>-3</sup>	ppm	mgm <sup>-3</sup>
2-Aminoethanol	ACGIH	3	7.5	6	15

### Recommended Minimum Personal Protective Equipment:

- EYE PROTECTION:** Not normally required.
- GLOVE TYPE:** PVC or Neoprene gloves recommended for users with sensitive skin.
- RESPIRATOR:** Not normally required through normal use or potential abuse of this product.
- OTHER:**

## 9: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** Clear, straw coloured, mobile liquid.
- Boiling Point** 100°C
- Vapor Pressure** not determined
- Specific Gravity** 1.14 g/cm<sup>3</sup>
- Flash Point** none
- Solubility in water** Miscible in all proportions.
- pH** 11.6 (neat)

## 10: STABILITY AND REACTIVITY

- Chemical Stability:** Stable under ambient storage conditions.
- Conditions to Avoid:** Avoid storing at temperatures below 4°C. Storing in temperatures below this range may lead to instability. This instability is not hazardous and once the product is warmed above 4°C gentle mixing should return it to a uniform state.
- Material to Avoid:** Do not mix with other chemicals.
- Decomposition:** If heated to decomposition, e.g. in a fire, oxides of carbon and sulphur may be evolved.
- Hazardous Reactions:** Do not mix with strong acids.

## 11: TOXICOLOGICAL INFORMATION

### Possible Health Effects:

**Acute:**

- Swallowed:** May be irritant to the gastrointestinal tract. Ingestion of large quantities may induce irritation, nausea and vomiting. Aspiration into lungs during swallowing, or vomiting may severely affect lungs.
- Eye:** Irritant.
- Skin:** Prolonged exposure, especially to the concentrate, may lead to de-fatting of the skin, resulting in dryness, possible cracking and dermatitis.
- Inhaled:** Not normally an inhalation hazard. If concentrated solutions are finely atomised, mist may be irritant to the respiratory tract.

**Toxicity Data:**

No data exists for this product. Toxicity generally recognised as low.

## 12: ECOLOGICAL INFORMATION

- Environment:** Avoid release to the environment without proper sewage treatment. Refer to Chapter 6 of this Material Safety Data Sheet.
- Ecotoxicity:** Once biodegraded, this product is expected to have little to no environmental impact.
- Persistence/Degradability:** No data.

## 13: DISPOSAL CONSIDERATIONS

- Waste Disposal:** Wear protective equipment. Refer to local authorities to ensure compliance with legislative requirements for correct disposal. Recover and recycle if possible.
- Container Disposal:** Drain container thoroughly. After draining, rinse with water.
- Local Legislation:** Disposal should be in accordance with applicable regional, nation and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

## 14: TRANSPORT INFORMATION

**Not classified as a Dangerous Good according to the criteria of the ADG Code.**

- UN Number** none allocated  
**Proper Shipping Name:** none allocated  
**DG Class** not classified as a dangerous good.  
**Subsidiary Risk Class** none  
**Packaging Group** none  
**Hazchem Code** No Hazchem code allocated (non-hazardous product)

- Storage and Transport:** Transport in original container or one that is correctly labelled. Store away from food stuffs and in accordance with government regulations. Keep container tightly closed when not in use.

## 15: REGULATORY INFORMATION

- Poisons Schedule:** Schedule 5 poison - According to the criteria of the Poisons Standard 2021.
- AICS:** All ingredients listed on the Australian Inventory of Chemical Substances.

## **16: OTHER INFORMATION**

MSDS Creation Date: September 2021

Reason for up-date: New Product.