



## SAFETY DATA SHEET CRYSTAL

### SECTION 1: Identification: Product identifier and chemical identity

#### Product identifier

**Product name**                      **CRYSTAL**

**Internal identification**              ALOHA

#### Relevant identified uses of the substance or mixture and uses advised against

**Application**                              Window glass cleaner.

**Uses advised against**              Use only for intended applications.

#### Details of the supplier of the safety data sheet

**Supplier**                                  Sampson Chemical Products  
42 Redcliffe Gardens Drive  
Clontarf, QLD, 4019  
+61 7 3283 4511  
sampson\_office@bigpond.com

**Contact Person**                      Poisons Information 131126 or Brennan Stark 0428 835 855

**Manufacturer**                          Eco Pro Australia Pty Ltd  
42 Redcliffe Gardens Drive, Clontarf, QLD, 4019  
+61 7 3283 4511  
sampson\_office@bigpond.com

#### Emergency telephone number

**Emergency telephone**              Poisons Information 131126 or Brennan Stark 0428 835 855

### SECTION 2: Hazard(s) identification

#### Classification of the substance or mixture

**Physical hazards**                      Not Classified

**Health hazards**                        Eye Irrit. 2A - H319 STOT SE 3 - H336

**Environmental hazards**              Not Classified

#### Label elements

##### Hazard pictograms



**Signal word**                              WARNING

**Hazard statements**                    H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

# CRYSTAL

<b>Precautionary statements</b>	<p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P312 Call a POISON CENTER or doctor/ physician if you feel unwell.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
---------------------------------	--

**Contains** propan-2-ol

## Other hazards

This product does not contain any substances classified as PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative).

## **SECTION 3: Composition and information on ingredients**

### **Mixtures**

<b>propan-2-ol</b>	<b>10-30%</b>
CAS number: 67-63-0	
<b>2-butoxyethanol</b>	<b>1-10%</b>
CAS number: 111-76-2	

## **SECTION 4: First aid measures**

### Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention.
<b>Skin Contact</b>	Rinse with water.
<b>Eye contact</b>	Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

### Most important symptoms and effects, both acute and delayed

## CRYSTAL

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.
<b>Ingestion</b>	No specific symptoms known.
<b>Skin contact</b>	No specific symptoms known.
<b>Eye contact</b>	Irritating to eyes.

### **Indication of any immediate medical attention and special treatment needed**

**Notes for the doctor**                      Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### **Extinguishing media**

**Suitable extinguishing media**      The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media**      Do not use water jet as an extinguisher, as this will spread the fire.

#### **Special hazards arising from the substance or mixture**

**Specific hazards**                      Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products**      Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

#### **Advice for firefighters**

**Protective actions during firefighting**      Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters**      Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.

### **SECTION 6: Accidental release measures**

#### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions**                      Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Avoid inhalation of dust and vapours. Use suitable respiratory protection if ventilation is inadequate.

#### **Environmental precautions**

**Environmental precautions**              Avoid discharge into drains or watercourses or onto the ground.

#### **Methods and material for containment and cleaning up**

## CRYSTAL

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Do not use sawdust or other combustible material. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

### Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## SECTION 7: Handling and storage, including how the chemical may be safely used

### Precautions for safe handling

**Usage precautions** Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapours and spray/mists. Use only in well-ventilated areas.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in a cool, dry, well-ventilated place and out of direct sunlight. Keep away from food, drink and animal feeding stuffs. Store away from incompatible materials (see Section 10). Do not store near heat sources or expose to high temperatures. Keep containers upright. Keep container tightly sealed when not in use.

**Storage class** Chemical storage.

### Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

## SECTION 8: Exposure controls and personal protection

### Control parameters

#### Occupational exposure limits

##### **propan-2-ol**

Long-term exposure limit (8-hour TWA): 400 ppm 983 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 500 ppm 1230 mg/m<sup>3</sup>

##### **2-butoxyethanol**

Long-term exposure limit (8-hour TWA): 20 ppm 96.9 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 50 ppm 242 mg/m<sup>3</sup>

Sk

##### **2,2',2''-nitrilotriethanol**

Long-term exposure limit (8-hour TWA): 5 mg/m<sup>3</sup>

Sen

##### **Ethanol**

Long-term exposure limit (8-hour TWA): 1000 ppm 1880 mg/m<sup>3</sup>

##### **2,2'-iminodiethanol**

Long-term exposure limit (8-hour TWA): 3 ppm 13 mg/m<sup>3</sup>

##### **2-methylpropan-2-ol**

## CRYSTAL

Long-term exposure limit (8-hour TWA): 100 ppm 303 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 150 ppm 455 mg/m<sup>3</sup>

Sen = Respiratory and/or skin sensitiser.

Sk = Absorption through the skin may be a significant source of exposure.

### Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

#### Hand protection

No specific hand protection recommended.

#### Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### Hygiene measures

Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

#### Respiratory protection

Ensure all respiratory protective equipment is suitable for its intended use and complies with Australia/New Zealand Standard AS/NZS 1716. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Full face mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Half mask and quarter mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716.

#### Environmental exposure controls

Keep container tightly sealed when not in use.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Clear.
<b>Odour</b>	Sweetish.
<b>pH</b>	6.5
<b>Specific Gravity</b>	0.96
<b>Flammability (solid, gas)</b>	Non Flammable

### SECTION 10: Stability and reactivity

#### Reactivity

There are no known reactivity hazards associated with this product.

#### Stability

Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

## CRYSTAL

<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time.
<b>Materials to avoid</b>	Oxidising agents.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 10,000.0

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)** 22,000.0

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE inhalation (vapours mg/l)** 220.0

##### Skin corrosion/irritation

**Animal data** Based on available data the classification criteria are not met.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

##### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

##### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

##### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

##### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

##### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Based on available data the classification criteria are not met.

##### Specific target organ toxicity - single exposure

**STOT - single exposure** STOT SE 3 - H336 May cause drowsiness or dizziness.

**Target organs** Central nervous system

##### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

## CRYSTAL

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

### **General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

### **Inhalation**

A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.

### **Ingestion**

No specific symptoms known.

### **Skin Contact**

No specific symptoms known.

### **Eye contact**

Irritating to eyes.

### **Route of exposure**

Ingestion Inhalation Skin and/or eye contact

### **Target Organs**

Central nervous system

## SECTION 12: Ecological information

### **Ecotoxicity**

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

### **Toxicity**

Based on available data the classification criteria are not met.

### Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

### Bioaccumulative potential

**Bioaccumulative Potential** No data available on bioaccumulation.

### Mobility in soil

**Mobility** No data available.

### Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### Waste treatment methods

#### **General information**

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

#### **Disposal methods**

Dispose of waste via a licensed waste disposal contractor.

## SECTION 14: Transport information

### **General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADG).

### UN number

Not applicable.



## CRYSTAL

### **UN proper shipping name**

Not applicable.

### **Transport hazard class(es)**

No transport warning sign required.

### **Packing group**

Not applicable.

### **Environmental hazards**

#### **Environmentally hazardous substance/marine pollutant**

No.

### **Special precautions for user**

Not applicable.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## SECTION 15: Regulatory information

### **Inventories**

#### **Australia - AICS**

None of the ingredients are listed or exempt.

## SECTION 16: Any other relevant information

<b>Training advice</b>	Only trained personnel should use this material.
<b>Revision date</b>	6/05/2021
<b>Revision</b>	3
<b>Supersedes date</b>	28/11/2017
<b>SDS No.</b>	4625
<b>General Information</b>	The following risk and hazard statements are to be considered a glossary. They relate to the raw materials used in this product and therefore may not be accurate for the finished product itself. For the complete risk and hazard statements for this product please refer to section 2 of this Safety Data Sheet
<b>Hazard statements in full</b>	H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.