

# SAFETY DATA SHEET



## SECTION I. PRODUCT IDENTITY

**Product Name:** ECAS4 Anolyte

**Other names(s):** Ecas Anolyte, Ecas Hydrostel, Electrolysed Oxidizing Water (EOW), Electrically Activated Neutral Anolyte, pH Neutral Anolyte

**Recommended Use:** Sanitiser

**Company Identification:** Ecas4  
No1/Unit 8 London Rd, Mile End South, South Australia 5031.  
Tel + 08 81227165

**Emergency Telephone:** 0412 824 924

## SECTION 2. HAZARD IDENTIFICATION

Based on available information, not classified as hazardous according to criteria of Safe Work Australia; NON-HAZARDOUS SUBSTANCE

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

Poisons Schedule: None

## SECTION 3. COMPOSITION

Components	CAS Number	Proportion	Risk Phrases
Crystallised Sodium Chloride	7647-14-5	< 10%	-
Other ingredient(s)	-	> 60%	-

## SECTION 4. FIRST AID MEASURES

**Skin contact:** Remove contaminated clothing including shoes immediately and wash thoroughly affected skin. Seek medical attention if irritation persists. Wash contaminated clothing before Reuse.

**Eye contact:** Immediately flush the eyes continuously with clean water for several minutes. Seek medical advice if irritation persists.

**Ingestion:** Do not induce vomiting: give plenty of water to drink. Seek medical advice if symptoms persist.

**Inhalation:** Take patient to fresh air – Seek medical assistance if symptoms persist.

**Medical attention and special treatment:** Treat symptomatically.

# SAFETY DATA SHEET



## SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media:** Not combustible, however, if material is involved in a fire use: Chemical type foam, Powder, Sand, water spray.
- Hazardous combustion products:** Non-combustible material.
- Precautions for fire fighters and special protective equipment:** Decomposes on heating emitting toxic fumes, including those of chlorine. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Emergency Procedures:** If contamination of sewers or waterways has occurred advise local emergency services.
- Methods and materials for containment and clean up:** Slippery when wet. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

## SECTION 7. HANDLING AND STORAGE

- Precautions for safe handling:** Avoid contact with eyes and skin.
- Conditions for safe storage:** Optimal efficacy of the product will be prolonged if the product is stored away from direct sunlight and in sealed, airtight container. Keep containers closed when not in use - check regularly for spills.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Occupational Exposure Limits:** No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for the decomposition product(s):  
  
Chlorine: Peak Limitation = 3 mg/m<sup>3</sup> (1 ppm)  
  
As published by the National Occupational Health and Safety Commission.
- Engineering controls:** Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.
- Personal Protective Equipment:** Wear safety glasses when handling this material. Avoid prolonged contact with the skin. Use good personal hygiene practices.

# SAFETY DATA SHEET



## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Homogeneous clear, liquid
Colour:	Colourless
Odour:	Mild chlorine/ozone odour
pH:	6.5 – 7.5
Solubility:	Completely soluble in water
Specific Gravity:	1.00 @ 20°C
Vapour pressure:	Not available.
Vapour Density:	Not available.
Boiling point:	100°C
Freezing Point:	Not available.
Flash Point (°C):	Not flammable.
Flammability Limits (%):	Not applicable.
Autoignition Temperature (°C):	Not applicable.

## SECTION 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	The product is stable under normal ambient conditions of temperature and pressure. The product retains its optimal [i.e. bactericidal activity] Oxidation Reduction Potential (ORP) for a period of up to 48 hours, hereafter it progressively degrades to the ORP of source water.
<b>Conditions to avoid:</b>	Avoid exposure to extreme low temperatures.
<b>Incompatible materials:</b>	Incompatible with acids.
<b>Hazardous decomposition products:</b>	Neutral Anolyte degrades to the quality of source water. May produce Oxides of Chlorine vapours.
<b>Hazardous reactions:</b>	Reacts with acids liberating toxic chlorine gas.

## SECTION 11. TOXICOLOGICAL INFORMATION

### **Acute Health effects:**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Inhalation:</b>	Breathing in mists or aerosols may produce respiratory irritation.
<b>Ingestion:</b>	No adverse effects expected, however, large amounts may cause nausea and vomiting.
<b>Skin Contact:</b>	Contact with skin may result in irritation.
<b>Eye Contact:</b>	An eye irritant.
<b>Long term effects:</b>	No information available for the product.
<b>Toxicological Data:</b>	No LD50 data available for the product.

# SAFETY DATA SHEET



## SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways.  
Persistence and degradability: Neutral Anolyte degrades to source water quality with a low sodium chloride mineralisation allied to the input concentration of the salt.  
Mobility: Not available.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods:** Refer to local government authority for disposal recommendations.  
Normally suitable for disposal at approved land waste site.

## SECTION 14. TRANSPORT INFORMATION

**Road and Rail Transport:** Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

**Marine Transport:** Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

**Air Transport:** Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

## SECTION 15. REGULATORY INFORMATION

**Classification:** Based on available information, not classified as hazardous according to criteria of Safe Work Australia; NON-HAZARDOUS SUBSTANCE.

**Poisons Schedule:** None allocated.

**Australian Inventory of Chemical Substances (AICS):** All substances are listed on AICS or exempt.

## SECTION 16. OTHER INFORMATION

DATE PREPARED: 11 December 2013  
Version: 001  
Reason(s) for Issue: Primary issue

This above information is based on our best knowledge at the date of issue and is intended to describe the product for the purposes of health and safety requirements only. It should not, therefore, in itself be construed as a Guarantee of any specific quality relating to the product, which will depend on the terms of the contract of trial or sale. The user must satisfy themselves that the product is suitable for the intended purpose.