

SAFETY DATA SHEET

eWater Disinfect



REVISION: 2023-09-14

VERSION: 10.1

SECTION 1 Identification of substances/mixture and supplier

1.1 Product Identifier

Product Name: eWater Disinfect
Description: Hospital Grade Hard Surface Disinfectant.

1.2 Recommended use and restrictions on use

Product Use: eWater Disinfectant is a hospital grade disinfectant intended for use on all hard surfaces. Effective against a broad range of bacteria including Salmonella typhimurium, Escherichia coli, Listeria monocytogenes, Proteus vulgaris, Pseudomonas aeruginosa, Salmonella choleraesuis & Staphylococcus aureus. Also proven effective against Human Coronavirus COVID19 (SARS-CoV-2) & Murine Hepatitis Virus. Not intended for use on medical devices or other therapeutic goods.

1.3 Details of the supplier

eWater Systems Pty Ltd	Telephone:	1300 EWATER (1300 392 837)
PO Box 511, Aireys Inlet	Email:	sales@ewatersystems.com
Victoria, 3231, Australia	Website:	www.ewatersystems.com

1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)
Poisons Information Centre Phone 13 11 26 from anywhere in Australia

SECTION 2 Hazards Identification

2.1 Statement of Hazardous Nature

This product is classified as non-hazardous according to the criteria of SWA.
Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code, IATA, or IMDG/IMSBC criteria

2.2 Label Elements

Hazard Pictogram	Not Applicable
Signal Word	Not Applicable

3.3 Precautionary Statements

Prevention:	Not Applicable
Response:	If swallowed, rinse mouth. If in eyes, rinse cautiously with water for several minutes.
Storage:	Store below 30C out of direct sunlight. Use within 30 days of production date.
Disposal:	Dispose of contents/container in recycling.

SAFETY DATA SHEET

eWater Disinfect

SECTION 3 Composition and Information on Ingredients

Ingredients	CAS Number	Composition %
Hypochlorous Acid (as produced by electrolysis)	7790-92-3	0.0037%
Water	7732-18-5	Balance

SECTION 4 First Aid Measures

4.1 Description of first aid measures

Eye Contact	If product comes in contact with eyes: <ul style="list-style-type: none"> > Wash Immediately with water. > If irritation continues, seek medical attention. > Removal of contact lenses after eye injury should only be undertaken by skilled personnel.
Skin Contact	<ul style="list-style-type: none"> > Wipe of excess with absorbent tissue or towel. > Seek medical attention if any irritation occurs.
Inhalation	<ul style="list-style-type: none"> > First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
Ingestion	<ul style="list-style-type: none"> > Immediately give a glass of water. > First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

SECTION 5 Firefighting measures

5.1 Extinguishing media

There is no restriction on the type of extinguisher which may be used.
Use extinguishing media suitable for surrounding area.

5.2 Special hazards arising from the mixture

Not Applicable

5.3 Advice for firefighters

Fire Fighting	Not Applicable
Fire/Explosion Hazard	Not Applicable
HAZCHEM	Not Applicable

SECTION 6 Accidental release measures

6.1 Emergency Procedures

See section 8

6.2 Environmental Procedures

See section 12

SAFETY DATA SHEET

eWater Disinfect

6.1 Methods and Materials for containment and cleaning up

Minor Spills	<ul style="list-style-type: none"> > Slippery when split. > Clean up all spills immediately. > Mop/wipe up as suitable.
Major Spills	<ul style="list-style-type: none"> > Slippery when split. > Clean up all spills immediately. > Mop/wipe up as suitable.

SECTION 7	Handling and Storage
------------------	-----------------------------

7.1 Precautions for Safe Handling

Use good occupational work practices.
 Avoid physical damage to containers.
 Observe manufacturer's storage and handling recommendations.

7.2 Conditions for safe storage, including any incompatibilities

Safe Storage	<ul style="list-style-type: none"> > Store in original labelled containers. > Keep containers securely sealed. > Store in a cool, well-ventilated area away from UV light. > Protect containers against physical damage and check regularly for leaks. > Observe manufacturer's storage and handling recommendations.
Suitable Container	<ul style="list-style-type: none"> > Polyethylene or polypropylene container. > Packing as recommended by manufacturer. > Check all containers are clearly labelled and free from leaks.
Storage incompatibility	<ul style="list-style-type: none"> > None known

SECTION 8	Exposure Controls / Personal Protection
------------------	--

8.1 Occupational Exposure Limit Values

No exposure standards have been established for the mixture. However, over-exposure to some chemicals may result in enhancements of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

8.2 Biological Monitoring

No biological limited allocated.

8.3 Appropriate engineering controls

General exhaust is adequate under normal operating conditions. Use in a well-ventilated area.

8.4 Personal Protection

Eye and Face Protection	> None under normal operating conditions
Skin Protection	> None under normal operating conditions

SAFETY DATA SHEET

eWater Disinfect

Hands/feet Protection	>	None under normal operating conditions
Body Protection	>	None under normal operating conditions
Other Protection	>	No special equipment needed when handling product.

SECTION 9 Physical and chemical properties

Appearance	Clear colourless alkaline liquid; mixes with water.		
Physical state	Liquid	Relative density (water = 1)	1.0
Odour	Mild Chlorine	Partition coefficient n-octanol/water	Not Available
Odour threshold	Not Applicable	Auto-ignition temperature (C)	Not Available
pH (as produced)	3-5	Decomposition temperature (c)	Not Available
Melting point/freezing point (C)	0	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (C)	100	Molecular weight (g/mol)	Not Available
Flash Point (c)	Not Applicable	Taste	Not Applicable
Evaporation rate	As for water	Explosive properties	Not Available
Flammability	Non-Combustible	Oxidising properties	Not Available
Upper explosive limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Available
Lower explosive limit (%)	Not Applicable	Volatile Component (%vol)	Not Available
Vapour pressure (kPA)	Not Available	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (not available %)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 Stability and reactivity
10.1 Reactivity

See section 7

10.1 Chemical Stability

Stable under normal conditions of storage and handling.

10.1 Conditions to Avoid

Extremes of temperature and direct sunlight

10.1 Incompatible Materials

None known

10.1 Hazardous Decomposition Products

None known

SAFETY DATA SHEET

eWater Disinfect

SECTION 11 Toxicological Information**11.1** Information on toxicological effects

Inhaled	Not normally a hazard due to non-volatile nature of product.
Ingestion	Considered an unlikely route of entry in commercial/industrial environments.
Skin Contact	Not considered to cause discomfort through normal use.
Eye	May produce eye discomfort causing transient smarting, blinking
Chronic	Long-term exposure to the product is not thought to produce chronic effects adverse to health (as classified by EC Directives using animal models); nevertheless, exposure by all routes should be minimised as a matter of course.

11.2 Toxicity Information

Acute Toxicity	None known	Carcinogenicity	Not considered to be a carcinogenic hazard
Skin Irritation/Corrosion	Low	Reproductivity	Not considered to be toxic to reproduction
Serious Eye Damage/Irritation	None known	STOT – Single Exposure	Not expected to cause toxicity to a specific target organ.
Respiratory or Skin sensitisation	None known	STOT – Repeated Exposure	Not expected to cause toxicity to specific target organ.
Mutagenicity	Not considered to be mutagenic hazard	Aspiration Hazard	Not expected to be an aspiration hazard

SECTION 12 Ecological Information**12.1** General Ecological Information

Electrolysed Water solutions such as this product are recognised to become biologically inert after the presence of organic challenge. The expected biological degradability after 28 days is greater than 90%.

12.2 Ecotoxicity

No ecological data available for this material.

12.3 Persistence and degradability

Refer section 12.1

12.4 Bio-accumulative Potential

No available

12.5 Other Adverse Effects

None Known

12.6 Other Information

This product is biodegradable according to the Australian Standard AS1792-1976

SAFETY DATA SHEET

eWater Disinfect

SECTION 13 Disposal Considerations

13.1 Product / Packaging Disposal

- > Packaging is designed to reuse with production system.
- > Continue to reuse packaging so long as structural integrity of packaging is maintained.
- > Recycle wherever possible or consult manufacturer for recycling options.

SECTION 14 Transport Information

14.1 Labels Required

- > Packaging is designed to reuse with production system.
- > Continue to reuse packaging so long as structural integrity of packaging is maintained.
- > Recycle wherever possible or consult manufacturer for recycling options.

14.2 Other Information

- > Land transport (adg): not regulated for transport of dangerous goods.
- > Air transport (icao-iata / dgr): not regulated for transport of dangerous goods.
- > Sea transport (imdg-code / ggvsee): not regulated for transport of dangerous goods.
- > Transport in bulk according to annex ii of marpol and the ibc code not applicable.
- > Transport in bulk in accordance with marpol annex v and the imsbc code.

SECTION 15 Regulatory Information

14.1 Product Certifications

TGA	ARTG Listed Hospital Grade Disinfectant
Australian Organic	Certified Allowed Input
ASICS	All ingredients in this formulation are compliant with NICNAS regulations

SECTION 16 Other Information

16.1 Document Control

Revision Date	14/09/2023
Initial Date	02/03/2007

16.2 Version Summary

Version	Date of Update	Sections Updated
10.1	14/09/2023	Whole document format and information update.
9.1	05/08/2022	5 Year Renewal. No changes

SAFETY DATA SHEET

eWater Disinfect

16.3 References

Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals, Code of Practice, June 23

16.4 Other Information

This SDS contains only safety-related information. For other data and product information see product literature. This document summarises our best knowledge of the health and safety hazard information of the product and how to safely handle, store and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled and used in their workplace.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the company. Our responsibility for products sold is subject to our standard terms and conditions, a copy which is available on our website or on request.

Please read all labels carefully before using product.