



Hydro-E HOCL

Advanced Anti-bacterial Sanitiser

Safety Data Sheet

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SECTION 1: Identification

1.1 GHS Product Identifier

HYDRO-E

1.2 Company Name

Enviro Chemicals & Cleaning Supplies PTY LTD

1.3 Address

740-744 Woodville Road

Fairfield East 2165

NSW Australia

1.4 Telephone/Fax Number

Tel: +61 2 9755 2012

1.5 Emergency phone number

+61 413 209 871

1.6 Recommended use of the chemical and restrictions on use

Disinfecting and sanitizing for general commercial use and sanitising of food products and appliances, sanitiser.

SECTION 2: Hazard Identification

2.1 GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7thedition)

SECTION 3: Composition/Information on Ingredients

3.1 Ingredients

Name	CAS	Proportion
Water	7732-18-5	>99%
Hypchlorous acid	7790-92-3	<1%

SECTION 4: Health Effects

4.1 Inhalation

No Known Significant effects or critical hazards.

4.2 Ingestion

No Known Significant effects or critical hazards.

4.3 Skin

No Known Significant effects or critical hazards.

4.4 Eye contact

May cause eye irritation.

4.5 First Aid Facilities

Eyewash and normal washroom facilities.

SECTION 5: First-Aid Measures

5.1 Skin

Immediately wash contaminated skin with plenty of soap and water.



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5.2 Eyes

Immediately irrigate with copious quantities of water for fifteen minutes. Seek medical assistance if the effect persists.

5.3 Ingestion

Give a glass of water or milk to drink. Do not induce vomiting.

5.4 Inhalation

Not volatile

5.5 Advice to Doctor

Treat symptomatically.

SECTION 6: Firefighting Measures

6.1 Suitable extinguishable

Use extinguishing media appropriate to surrounding fire.

6.2 Hazards from Combustion Products

Non combustible material.

6.3 Specific Hazards Arising from the Chemical

This product is non-combustible

6.4 Decomposition Temperature

Not available

6.5 Precautions in Connection with Fire

Firefighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe locations.

SECTION 7: Accidental Release Measures

7.1 Emergency Procedures

Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place it into a suitable labelled container. Do not dilute material but contain. Dispose of water according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. As a water-based product, if spilt on electrical equipment the product will cause short-circuits.

SECTION 8: Handling and Storage

8.1 Precautions of Safe Handling

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well-ventilated area. Keep containers sealed when not in use. Prevent the build-up of mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking, or using toilet facilities.

8.2 Conditions for storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled, containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations. Protect from freezing.



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SECTION 9: Physical and chemical properties

PROPERTIES	DESCRIPTION
Form	Liquid
Appearance	Colourless liquid
Colour	Colourless
Odour	Slightly chlorine odour
Decomposition Temperature	Not available
Boiling Point	>100°C
Solubility in Water	Solubility in water
pH	5.0 - 6.5
Vapour Pressure	Not available
Evaporation Rate	Not available
Odour Threshold	Not available
Viscosity	Not available
Partition Coefficient: noctanol/water	Not available
Density	0.9 - 1.0g/ml (20°C)
Flashpoint	Not available
Flammability	Non-combustible aqueous
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available
Flammable Limits – Upper	Not available
Explosion Properties	Not available
Oxidising Properties	Not available
Melting/Freezing Point	Not available

SECTION 10: Stability and Reactivity

10.1 Chemical Stability

Stable under normal conditions of storage and handling

10.2 Reactivity and Stability

Reacts with incompatible materials

10.3 Conditions to Avoid

Extremes of temperature and direct sunlight

10.4 Incompatible Materials

Not available

10.5 Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes.

10.6 Possibility of Hazardous Reactions

Not available

10.7 Polymerization

Not available



SECTION 11: Toxicological information

Product Name	Result	Species	Dose	Exposure
Hydro-E HOCL	No Toxicity	Mouse	26ppm(mg/L)	Acute Oral Toxicity Test (14 Days)
Hydro-E HOCL	No Toxicity	Rabbit	25ppm(mg/L)	Eye Mucosa Irritation Test (4 Days)

Ingestion

No Known Significant effects or critical hazards.

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Inhalation

No Known Significant effects or critical hazards.

Skin

No Known Significant effects or critical hazards.

Eye

May cause eye irritation.

SECTION 12: Regulatory Information

12.1 Regulatory information

Not classified as hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as a Scheduled Poison according to Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

12.2 Poisons Schedule

Not scheduled

12.3 Australia (AICS)

All components of this product are listed in the inventory or exempted.

SECTION 13: Other Information

13.1 Date of preparation of last revision of SDS

SDS Created: May 2016

13.2 References

Preparation of Safety Data Sheet for Hazardous Chemicals Code of Practice.

The standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals.



14. TRANSPORT INFORMATION

Classification for ROAD and RAIL transport;

Not regulated (Not dangerous for transport)

Classification for SEA transport (IMO-IMDG):

Not regulated (Not dangerous for transport)

Classification for AIR transport (IATA/ICAO):

Not regulated (Not dangerous for transport)

Hazchem Code: None allocated.

15. REGULATORY INFORMATION

Label

Classification and labelling have been performed according to regulations.

Poison Schedule

None allocated

EPG

Not applicable

Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).

All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.



16. OTHER INFORMATION

Date of Preparation: 01/01/2023

Key to Abbreviations & Acronyms Used in SDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure
Limit TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees
Celsius g	Gram
g/cm ³	Grams per cubic
centimetre g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m ³	Kilograms per cubic
metre ltr	Litre
m ³	Cubic
metre mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m ³	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies SDS

THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION.

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END OF SDS