

Hydro-E HOCL

Advanced Anti-bacterial Sanitiser

Safety Data Sheet

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SAFETY DATASHEET

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. (7th edition)

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.

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