

Safety Data Sheet

HYDRO-E

1. Identification

Trade name of product : HYDRO-E
Other Shipping Name : HOCl - Disinfectant
Supplier Address : MAJAC MEDICAL PRODUCTS PTY LTD
2/60 Zillmere Road
Boondall QLD 4034 Australia
Supplier Contact Details : Phone: 1300 138 578
Intl: +61 7 3265 63455
email: sales@majacmedical.com.au
Emergency telephone number : Poisons Information Aust 131126 – NZ 0800 764766
Material uses : HYDRO-E is an effective non toxic Hospital Grade Disinfectant
General hard surface disinfecting (benches and tables etc.)
laboratory equipment and glassware.

Product dilution information : Non Hazardous at dilution

Date of issue : 2nd October 2023

2. Hazards identification

Classified as **NON- Dangerous Non Toxic GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

This material is **NOT HAZARDOUS** according to Safe Work Australia's GHS Criteria.

3. Composition/information on ingredients

Ingredient name	CAS number	Proportion %	TWA mg/m ³	STEL mg / m ³
Water	7732-18-5	99%	None Allocated	None Allocated

Hypochlorous Acid 7790-92-3 1%

Ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

4. First-aid measures

Eye contact : Irrigate with water. Seek medical advice if irritation persists.

Skin contact : Remove from skin by washing with water.

Inhalation : Not Volatile.

Ingestion : Do NOT induce vomiting. Rinse mouth. Give water to drink. Seek medical advice if symptoms occur.

Notes to physician : Treat symptomatically.

5. Fire-fighting measures

Extinguishing media : Use an extinguisher agent suitable for the surrounding fire.

Specific Hazards arising from the chemical : Non-combustible material.

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Special protective equipment and precautions for fire-fighters	:	Fire fighters to wear full body protective clothing with breathing apparatus. Deluge with water to cool containers. Evacuate area move upwind of fire.
Hazchem Code	:	No Hazchem code applicable

6. Accidental release measures

Personal precautions	:	Use PPE when handling any spills, including gloves, safety glasses and appropriate footwear
Environmental precautions	:	Contain spill using appropriate bunding or capping.
Methods for cleaning up	:	For small spills wash with plenty of water. For larger spills, contain spill with absorbent material such as sand or vermiculite. Place used absorbent in suitable, sealable-labelled containers, and dispose of according to the regulations of the relevant environmental authorities. Prevent material from entering waterways.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling	:	Use clean dispensing equipment, Use appropriate PPE. Always add product to water when diluting.
Storage	:	Keep container upright and cool and dry. Ensure good housekeeping in storage area.

8. Exposure controls/personal protection

Occupational exposure limits	:	No information available
Engineering measures	:	Use sensible work practices that reduce operator exposure to the product. Ensure that adequate ventilation is provided, and air is moving constantly in the area of use while drum is open. Avoid direct inhalation of mists. Keep containers closed when not in use.
Personal Protection		The following PPE may be considered to reduce risk of exposure.
Eyes	:	Safety glasses
Hands	:	Gloves should be used for instances of prolonged contact.
Respiratory	:	Respiratory protection should be used if there is a risk of exposure to high vapour concentrations. Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
Skin	:	Long sleeve shirt and trousers may be considered to reduce risk of chemical contact.

9. Physical and chemical properties

Physical state	:	colourless
Colour	:	Clear
Odour	:	Faint chlorine odour
pH (neat)	:	5.5 - 6.50
(1:20 dilution)	:	
Flash point (°C)	:	NA
Boiling point (°C)	:	>100
Specific Gravity (g/ml @ 25°C)	:	
Solubility	:	Completely soluble in water

10. Stability and reactivity

Reactivity	: Stable under normal conditions.
Stability	: Stable under normal storage conditions
Conditions to avoid	: Store away from incompatible materials.
Incompatible Materials	: Extreme heat and direct sunlight

11. Toxicological information

Potential health effects

Ingestion	: No known side effects or critical hazards.
Skin	: No known side effects or critical hazards.
Eye	: May cause irritation.
Inhalation:	: No known side effects or critical hazards..
Chronic	: No known side effects or critical hazards.

12. Ecological information

Ecotoxicity data

Persistence/degradability	: No known significant effects
Mobility in Soil	: No known significant effects
Other adverse effects	: May be harmful to aquatic species.

13. Disposal considerations

Methods of disposal	: Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.
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14. Transport information

Regulation	UN Number	Proper shipping name	Class	Packing group	Additional information
ADG	None Allocated	None Allocated	None Allocated	None Allocated	None Allocated

15. Regulatory information

Hazard Category	: None Allocated
Poisons Schedule	: None Allocated
AICS (Australia)	: All ingredients Listed

16. Other information

Literature References	: Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons. Australian Code for the Transport of Dangerous Goods by Road & Rail.
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HYDRO-E

Workplace exposure standards, Safe Work Australia.
Hazardous Substances/Chemicals Information System, Safe Work Australia.
Globally Harmonised System of classification and labelling of chemicals.
Raw material suppliers' SDS

Prepared by : **Majac Medical Products Pty Ltd (Int: +617 32656355, Aust: 1300 138578)**

Manufactured by : **HYDRO-E Pty Ltd 35 Weeroona Road, Lidcombe, NSW, 2141 Aust.**

This Safety Data Sheet is the first issue under the direction of the PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS of December 2011. The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

END OF SAFETY DATA SHEET