Safety Data Sheet

1. IDENTIFICATION/ PREPARATION AND COMPANY DETAILS

GHS Product identifier: Hy.Chlor
Company Name: HY.GIENE Australia Pty. Ltd.
Address: Unit 3, 41 Gatwick Road, BAYSWATER, VIC 3153
Telephone: (03) 9729 3946
Recommended use: Sanitising processing equipment
Emergency contact: 1800 616 930

2. HAZARDS INDENTIFICATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Code (ADG Code) for transport by road or rail. Refer to relevant regulations for storage and transport requirements.

Class: 8 Corrosive

GHS classification:

Skin corrosion/irritation, Category 1B, **H314**
Serious eye damage/Eye irritation, Category 1, **H318**
Hazardous to the aquatic environment: Acute hazard, Category 1, **H400**

Signal word: **Danger**

Hazard statements:
EUH031: Contact with acids liberates toxicgas.
H314: Causes severe skin burns and eyedamage.
H400: Very toxic to aquatic life.

Precautionary statements:
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305 + P351 + P338: **IFIN EYES:** Rinse cautiously with water for several minutes. Remove contact **Lenses, if present and easy to do. Continue rinsing Hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE**

Hazard Category C: Corrosive
R-phrase(s)

Issued by HY.GIENE Australia Pty. Ltd. **ABN 34 271 614 027** **Revision No. 1**

R31:	Contact with acids liberate toxicgas
R34:	Causes Burns
R41:	Risk of serious damage to eyes
R50:	**Very toxic to aquatic organismsS-phrase(s)**
S25:	Avoid contact with skin andeyes.
S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27:	Take off immediately all contaminated clothing.
S28:	After contact with skin, wash immediately with plenty of water.
S36/37/39:	Wear suitable protective clothing, gloves and eye/face protection.
S50:	Don not mix with acids, peroxides, metal salts and reducing agents

Poisons Schedule (Aust): S5 Caution

3. COMPOSITION/INFORMATION ON INGREDIENTS

Sodium hypochlorite	7681-52-9	< 15%	R31, R34, R41, R50
Water	7732-18-5	> 60%	-

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor

Ingestion: Rinse mouth with water. Give water to drink. Do NOT induce vomiting. Seek medical assistance.

Eye contact: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Seek immediate medicalassistance.

Skin contact: Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation occurs seek medical advice.

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effectspersist.

Notes to physician: Treat symptomatically. Can cause corneal burns. Delayed pulmonary oedema may result.

5. FIRE-FIGHTING MEASURES

Specific Hazards: Non-combustible material.

Fire fighting further advice: Not combustible. Decomposes on heating, liberating toxic fumes Including those of chlorine. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition.

Suitable extinguishing media: Not combustible, however, if involved in a fire use: Water fog (or if

unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

Hazchem Code: 2X

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure: Shut off all possible sources of ignition. Avoid accidents, clean up immediately. Increase ventilation. Avoid walking through spilled product as it is slippery when spilt. Use clean, non-sparking tools and equipment.

Clean Up Procedures: Contain and recover liquid when possible. Small spills will be absorbed by covering with incombustible absorbents (earth, clay, sand) or other suitable material; place in a chemical waste container for proper disposal. Neutralize the area with sodium sulphite, bisulfide or thiosulfate, and then flush with plenty of water.
Large spills should be removed with vacuum trucks pumping to storage vessels.

Containment: Stop leak if safe to do so.

Decontamination Special precautions: Do not use combustible materials, such as saw dust! Donot use sulphates or bisulphates for spill neutralizing!

Environmental Precautionary Measures: Do not allow product to reach drains, sewers or waterways. If product does enter a waterway; advise the Environmental Protection Authority or your local Waste Authority

Evacuation Criteria: Evacuate all unnecessarypersonnel.

Personal Precautionary Measures: Personnel involved in the clean-up should wear full protective clothing as listed in section 8

7. HANDLING AND STORAGE

Storage: Store in a cool (below 40C), dry place out of direct sunlight in a well ventilated area. Store away from acids, reducing agents. Store away from foodstuffs.

Handling: Avoid skin and eye contact and breathing in of vapors. Keep out of reach of children

This material is Scheduled Poison S5 and Dangerous Good Class 8 and must be stored, maintained and used in accordance with the relevant regulations

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits: No value assigned for this specific material by the National Occupational Health and Safety Commission However, Exposure Standards for constituents: -
Chlorine: Peak Limitation = 3mg/m^3

As published by the National Occupational Health and Safety Commission.
Peak Limitation – a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes
These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept as low a level as workable.

Engineering measures: Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Use with local exhaust ventilation. Keep containers closed when not in use.

Personal protection equipment: OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES(S)
Avoid skin and eye contact and inhalation of vapor. Wear overalls, chemical goggles and impervious gloves. If risk of inhalation exists, wear air supplied respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or reusing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour:	Liquid, pale yellow with chlorine odour.
Solubility:	Miscible in water.
Specific Gravity (20C):	1.2
pH (1% aq soln.):	12.5

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. The amount of chlorine diminished with time.
Conditions to avoid:	Avoid contact with foodstuffs. Avoid contact with acids
Incompatible materials:	Incompatible with acids, metals, metal salts, ethylene diamine tetraacetic acid.
Hazardous decomposition products	Chlorine
Hazardous Reactions:	Hazardous polymerisation will not occur. Reacts exothermically with acids liberating toxic gas (chlorine)

11. TOXICOLOGICAL INFORMATION

Main symptoms:	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandledare:
Ingestion:	Swallowing can result in vomiting, diarrhoea, abdominal pain and chemical burns of the gastrointestinaltract
Eye contact:	A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.
Skin contact:	Contact with the skin will result in severe irritation. Corrosive to skin – may cause skin burns.
Inhalation:	breathing in mists or aerosols may produce respiratory irritation.
Long term effects:	No information available forproduct.
Acute toxicity / Chronic toxicity:	No LD50 data available forproduct. However, for sodium hypochlorite: Oral LD50 (mice): 5800 mg/kg.
EYES (rabbit):	Moderate irritant.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways.

Persistence/degradability: This material is biodegradable

Aquatic toxicity: Very toxic to aquatic organisms

13. DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority. Decontamination and destruction of containers should be considered.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail

UN-No:	1791	
Class:	8	Corrosive
Hazchem Code:	2X	
EPG:	8A1	
Packing Group:	III	
Proper Shipping Name:	HYPOCHLORITE SOLUTION	

Marine Transport: Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG) for transport by sea

UN-No:	1791	
Class:	8	Corrosive
Hazchem Code:	2X	
Packing Group:	III	
Proper Shipping Name:	HYPOCHLORITE SOLUTION	
IMDG EMS Fire:	F-A	
IMDG EMS Spill:	S-B	

Air Transport: Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) for transport by air.

UN-No:	1791	
Class:	8	Corrosive
Hazchem Code:	2X	
Packing Group:	III	
Proper Shipping Name:	HYPOCHLORITE SOLUTION	

15. REGULATORY INFORMATION

Hazardous according to criteria of Safe Work Australia

Poisons Schedule (Aust.): S5

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Date of preparation or last revision of SDS - 1/03/2020 Reason for issue: Format change

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions. If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken. Safety Data Sheets are updated frequently. Please ensure you have a current copy.