

## SAFETY DATA SHEET

**Product Name** **Hygiea**

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Hygiea  
**Recommended use:** Cleaner Disinfectant- Hospital Grade  
**Company Details:** Advance International Cleaning System  
**Address:** 663 Great South Road, Penrose  
 Auckland, New Zealand  
**Telephone Number:** +64 9 525 3792  
**Emergency Telephone Number:** National Poison Information Centre 0800 764 766  
**Date of Preparation:** 22/03/2023

### 2. HAZARD IDENTIFICATION

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

#### GHS Classification and Categories

Acute Toxicity (Oral)	Category 4
Serious eye irritation / Irritation	Category 1
Skin corrosion/irritation	Category 1B
Aquatic toxicity (Chronic)	Category 1



**Danger**

**HSNO Hazard Classification:** 6.1D Oral, 8.3A, 8.2B, 9.1A

<b>Code:</b>	<b>Hazard Statements:</b>
<b>H302</b>	<b>Harmful if swallowed</b>
H314	Causes skin irritation
H318	Causes serious eye damage
H401	Toxic to aquatic life

#### Prevention Statements:

<b>P102</b>	Keep out of reach of children.
<b>P103</b>	Read label before use.
<b>P260</b>	Do not breathe dust/fume/gas/mist/vapours/spray*.
<b>P264</b>	Wash hands thoroughly after handling.
<b>P270</b>	Do not eat, drink or smoke when using this product.
<b>P280</b>	Wear protective gloves/protective clothing/eye protection/face protection

#### Response Statement:

P101	If medical advice is needed, have product container or label at hand.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 +P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician

P363 Wash contaminated clothing before reuse.

**Disposal Statement:**

**P501** Dispose of unused content as chemical waste.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Ingredient	CAS #	Concentration %
Sodium hypochlorite	7681-52-9	3-10
Lauryl dimethyl amine oxide	1643-20-5	<10
Sodium hydroxide	1310-73-2	1-3

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### 4. FIRST AID MEASURES

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**Ingestion:**

Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical aid immediately.

**Eye Contact:**

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment. Do not rub eyes or keep eyes closed

**Skin Contact:**

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

**Inhalation:**

Remove the effected person out to a ventilated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

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### 5. FIRE FIGHTING MEASURE

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**Extinguishing Media:**

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

**Hazards from combustion products:**

Not combustible. However, following evaporation of aqueous component, residual material can burn if ignited. While burning, it will emit toxic fumes including carbon monoxide and carbon dioxide.

**Precautions for fire fighters and special protective equipment:**

As in any fire, wear self-contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

**Hazachem code:**

2X - 2 - Fine water spray.

X - Liquid-tight chemical protective clothing and breathing apparatus. Contain.

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### 6. ACCIDENTAL RELEASE MEASURES

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**Emergency Precautions:**

Ensure adequate ventilation. Do not breathe dust or vapour. In case of an incident in a confined area wear suitable respiratory protection. Wear suitable protective clothing, gloves and eye/face protection.

**Methods and Materials for Containment and Clean Up:**

Absorb with liquid-binding material (sand, diatomite, universal binders, and sawdust). Ensure adequate ventilation.

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### 7. HANDLING AND STORAGE

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**Handling:**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Do not mix with other products unless advised by Advance. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Wash contaminated clothing

Before reuse. Use personal protective equipment as required. Avoid contact with skin and eyes. Do not breathe vapours. Use only with adequate ventilation.

**Storage:**

Store in accordance with local and national regulations. Keep locked up and out of the reach of children. Keep only in original container. Store in a closed container.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Standards:**

The Occupational Safety and Health Service, NZ Department of Labour have set no Tolerable Exposure Limit (TEL) Workplace Exposure Standards (WES) for this substance.

**Biological limit values:**

None established.

**Engineering Controls:**

If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required.

**PERSONAL PROTECTIVE EQUIPMENT:**

**Respiratory Protection:**

Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided. No special requirements under normal use conditions.

**Eye Protection:**

Safety glasses or goggles. The use of a full-face shield or other full-face protection is strongly recommended when handling open containers or if splashes may occur.

**Skin/Body Protection:**

Always wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Viscous liquid
<b>Physical State:</b>	Liquid
<b>Odour:</b>	mild chlorine smell
<b>pH:</b>	12.5 (concentrated)
<b>Solubility:</b>	soluble in water
<b>Vapour Density:</b>	Not available
<b>Boiling point:</b>	Not available
<b>Freezing Point:</b>	Not available
<b>Ignition Point:</b>	Not available
<b>Flash Point:</b>	Not available
<b>Specific Gravity:</b>	1.095
<b>Vapour pressure:</b>	Not available
<b>% Volatilities</b>	

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable under normal storage and use conditions.
<b>Conditions to avoid:</b>	Avoid high temperatures
<b>Incompatible Materials:</b>	Reacts with acids releasing toxic chlorine gas. Keep away from acids.
<b>Hazardous decomposition:</b>	Chlorine.
<b>Hazardous reactions:</b>	No hazardous reactions known under normal storage and use conditions.

**11. TOXICOLOGICAL INFORMATION**

No adverse health effects expected if the product is handled in accordance with the safety data sheet. Symptoms or effects that may arise if the product is mishandled and the overexposure occurs are:

**Acute Effects**

**Ingestion:**

Small amounts of liquid aspirated into lungs during ingestion, or from vomiting. Ingestion of large amounts of this product will result in headaches, nausea, dizziness and tracheal burning.

**Eye Contact:**

This product is irritating and pain followed by swelling to the conjunctiva.

**Skin Contact:**

This product is irritating to skin.

**Inhalation:**

Irritating to respiratory tract. Exposure to high concentrations over an extended period of time may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations and possible loss of consciousness.

**12. ECOLOGICAL INFORMATION**

HSNO Classes: 9.1A Toxic to aquatic life  
**Persistence/ degradability:** No Data Available  
**Mobility:** No Data Available

**13. DISPOSAL CONSIDERATIONS**

**Disposal Methods:**

Empty packaging should be taken for recycling, recovery, or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities.

**14. TRANSPORT INFORMATION**

**Road and Rail Transport:**

Classified as Dangerous Goods by the criteria of New Zealand Dangerous Goods Code for transport by road and rail

**Marine Transport:**

Classified as Dangerous Goods by the criteria of international Maritime Dangerous Goods Code for transport by sea.

**Air Transport:**

Classified as Dangerous Goods by the criteria of international Air Association Dangerous Goods Regulations for transport by air

**Shipping Name:** Corrosive liquid, basic, inorganic, n.o.s. (hypochlorite, sodium hydroxide)  
**Hazard Class:** 8  
**UN Number:** UN 3266  
**Packing Group:** III



**15. REGULATORY INFORMATION**

**HSNO Approval No:** HSR002526  
**Group Standard:** Cleaning Products (corrosive) Group Standard 2006  
**HSNO Classification:** 6.1D Oral, 8.3A, 8.2B, 9.1A

**16. OTHER INFORMATION**

**New Zealand National Poison Information Centre:** 0800 764 766  
**New Zealand Emergency Services:** 111  
**Advance International Cleaning Systems (NZ) Limited:** +64 9 525 3792

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Advance International Cleaning Systems (NZ) Limited accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Local Councils regulations.