**SAFETY DATA SHEET**

**Product Name** **HYGIEA SCRUBS OXI BLEACH (OPL)**

Revision Date: 19/07/2024 Version: 002

## 1. PRODUCT AND COMPANY IDENTIFICATION

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| **Product Name** | : Hygiea Scrubs Oxi Bleach |
| **Recommended Use** | : Bleach and destainer |
| **Company Details** | : Advance International Cleaning System (NZ) Ltd |
| **Address** | : 663 Great South Road, Penrose, Auckland 1642 |
| **Telephone Number** | : +64 9 525 3792 |
| **Emergency Telephone: Number** | **:** National Poison Information Centre **0800 764 766** |
| **Date of Preparation** | **: 19/07/2024** |

## 2. HAZARD IDENTIFICATION

### GHS Classification and Categories

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|---|---|
| Skin Corrosion | **Sub Category 1B** |
| Eye Damage | **Category 1** |
| Oxidising Liquids | **Category 2** |
| Acute Oral Toxicity | **Category 4** |
| Acute Inhalation toxicity | **Category 4** |
| STOT (single exposure) | **Category 3** |


**DANGER**

| **Code** | **Hazard Statement** |
|---|---|
| H272 | May intensify fire, oxidizer |
| H290 | May be corrosive to metals. |
| H314 | Causes skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation |

### Prevention Statement

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| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking. |
| P103 | Read label before use. |
| P220 | Keep and store away from clothing, incompatible materials, combustible materials. |
| P234 | Keep only in original container. |
| P260 | Do not breathe mist, vapours, spray. |

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| P264 | Wash thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P271 | Use only outdoors or in a well ventilated area. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |

### Response Statement

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| P101 | If medical advice is needed, have product container or label at hand. |
| P301 + P330 + P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| 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. |
| P337 + P313 | IF eye irritation persists: Get medical advice/attention. |
| P310 | Immediately call a POISON CENTER or doctor/physician. |
| P321 | Wash with plenty of soap and water. |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. |
| P362 | Take off contaminated clothing and wash before re-use. |
| P370 + P378 | In case of fire: Use extinguishing media as outlined in Section 5 of this Safety Data Sheet to extinguish. |
| P390 | Absorb spillage to prevent material damage. |

**STORAGE**

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| **P403 + P233** | Store in a well-ventilated place. Keep container tightly closed |
| **P405** | Store locked up. |
| **P501 :** | Dispose through licensed disposal contractor. |
| **Other Hazards :** | None Known |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | CAS# | Concentration % |
|---|---|---|
| Hydrogen Peroxide | 7722-84-1 | 20-40 |
| Other Ingredients – Non Hazardous | | Level |

## 4. FIRST AID MEASURES

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| **Ingestion** | Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Keep at rest. Immediately call a POISON CENTRE, doctor, or physician. Get medical attention or advice if you feel unwell. |
| **Eye contact** | Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes**.** |
| **Skin contact** | Take off immediately all contaminated clothing and wash it before re-use. Immediately call a POISON CENTRE, doctor, or physician. If spilt on large areas of skin or hair, immediately drench with running water and remove clothing. Continue to washskin and hair with plenty |

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| | of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a doctor. |
| **Inhalation** | Remove person to fresh air and keep comfortable for breathing. Get Medical attention or advice if you feel unwell<br>Remove victim from area of 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. If patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack ofoxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygenthrough a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice. |

## Poison Information Centre: Call 0800 764 766 (0800 POISON)

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once. Urgent hospital treatment is likely to be needed.

## 5. FIRE FIGHTING MEASURE

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| Suitable extinguishing media : | Carbon dioxide. Dry powder. Water spray jet.<br>Fight larger fires with water spray jet or alcohol-resistant foam. Keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures |
| Unsuitable extinguishing media : | None known. |
| Specific hazards during firefighting : | Non Combustible Liquid. But will support combustion of other material. While burning, it will emit toxic fumes including carbon monoxide and carbon dioxide. |
| Hazardous combustion products : | Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides |
| Special protective equipment for firefighters : | Use personal protective equipment.<br>Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion as well as structural fire fighter's uniform. |
| Specific extinguishing methods : | Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes |
| Hazchem or Emergency Action Code | 2P |

**Special protective equipment and precautions for fire-fighters:**
Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Precautions:**
Personal precautions, protective equipment and emergency procedures Wear suitable protective clothing, gloves, and eye/face protection. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may slippery.

Isolate spill or leak area immediately. Clear area of all unprotected personnel. If contamination of sewers orwaterways has occurred advise local emergency services.

Environmental precautions: Do not allow to enter drainage system, surface, or ground water. Dilute with plenty of water. Advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.
Methods and material for containment and cleaning up Use neutralising agent. Absorb onto dry sand similar inert material.

**Environmental precautions:**
Do not allow to enter drainage system, surface, or ground water. Dilute with plenty of water.
Advise the Environmental Protection Authority or your local Waste Management.
Use clean, non-sparking tools and equipment.

**Methods and Materials for Containment and Clean Up:**
Soak up spilled product using absorbent, non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

**Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:**
If enough water is available dilute to <3%, flood area with water and drain to an approved chemical sewer or wastewater treatment system, including municipal sewers if approved. If only limited water is available (not enough todilute spill to 3% concentration), use water for potential fire fighting of combustible materials. Contain spill until decomposition is completed naturally.

## 7. HANDLING AND STORAGE

This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

**Precautions for safe handling:**
Avoid skin and eye contact and breathing in vapour, mists and aerosols. Keep out of reach of children. Do not return unused product to original container.

**Conditions for safe storage, including any incompatibilities:**
Store in cool place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from foodstuffs. Keep containers closed when not in use - check regularly for leaks.

**Advice on safe handling**:
Wash hands thoroughly after handling. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Empty containers retain product and residue (liquid or vapour) and can be dangerous. Keep container tightly closed. Always wash hands before smoking, eating, or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Do not dispose of material to sewers or waterways.

**Advice on general occupational hygiene:**
Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink, and animal feeding stuffs. 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 eat, drink, or smoke when using this product. Use only with adequate ventilation.

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| Conditions for safe storage: | Keep out of reach of children. Keep container tightly closed. Store in suitable labelled containers. |
| Storage temperature: | Keep away from heat and sunlight. |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control Parameters:** No value assigned for this specific material by Safe Work Australia. However, Workplace Exposure Standard(s) for constituent(s):

Hydrogen peroxide: 8hr TWA = 1.4 mg/$m^3$ (1 ppm)

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Appropriate engineering controls:**
Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Workplace Exposure Standards. Keep containers closed when not in use.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered, and the results documented. If achieving safe exposurelevels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

**Individual protection measures, such as Personal Protective Equipment (PPE):**
The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, CHEMICAL GOGGLES, FACE SHIELD, GLOVES (Long), APRON, RUBBER BOOTS

Wear overalls, chemical goggles, face shield, elbow-length impervious gloves, splash apron or equivalent chemical impervious outer garment, and rubber boots. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.
If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance | : Clear / Colourless |
| Physical State | : Liquid |
| Odour | : Sharp |
| Odour Threshold | : Not determined |
| pH | : 1.4-4.0 |

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| Solubility | : Soluble in water |
| Vapour Density | : Not Known |
| Boiling point | : 114-119°C |
| Freezing Point | : Not Known |
| Ignition Point | : Not Known |
| Flash Point | : Not determined |
| Flammability | : Not determined |
| UEL/LEL | : Not determined |
| Partition Coefficient | : Not determined |
| Auto ignition Temperature | : Not determined |
| Decomposition Temperature | : Not determined |
| Kinematic Velocity | : Not determined |
| Particle Characteristics | : Not determined |
| Specific Gravity | : 1.07-1.24@20°C. |
| Vapour pressure | : 14-29 Torr @30°C |
| % Volatilities | : Not Applicable |
| **Evaporation Rate:** | >1 (Butyl acetate = 1) |
| **Freezing Point/Range (°C):** | : -14 --56 |

## 10. STABILITY AND REACTIVITY

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| **Chemical Stability:** | Stable at room temperature and Pressure |
| **Conditions to avoid:** | Avoid excessive heat, direct sunlight, moisture, high temperatures. No hazardous reactions are known under normal storage and use conditions. |
| **Incompatible Materials:** | Incompatible with reducing agents, alkali. Reacts with alkalis**.** Not compatible with metals**.** |
| **Hazardous decomposition:** | When involved in a fire, this product will intensify the fire. |
| **Hazardous reactions:** | No dangerous reaction known under conditions of normal use. |

## 11. TOXICOLOGICAL INFORMATION

**Mixture data:**

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:

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| **Ingestion:** | Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract. Decomposition may occur in the stomach leading to the production of oxygen gas. This may cause distension of the stomach and the possibility of some bleeding. Death may occur if large amounts are ingested. |
| **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 skin will result in severe irritation. Corrosive to skin - may cause skin burns. |
| **Inhalation:** | Breathing in vapour will produce respiratory irritation. |
| **Acute toxicity:** | **Oral LD50 (rat): 841 mg/kg (60% solution)** |
| **Respiratory or skin sensitization :** | No information available. |

**Chronic effects:** Available evidence from animal studies indicate that repeated or prolonged exposure to thismaterial could result in effects on the lungs.

## 12. ECOLOGICAL INFORMATION

**Persistence/ degradability:** The substance is aerobically readily biodegradable an anaerobically biodegradable.

**Mobility:** No data available for this product.

**Toxicity -Environmental Effects**: Harmful to aquatic life. Avoid contaminating water ways.

**Other adverse effects:** No data available

## 13. DISPOSAL COSIDERATIONS

### Disposal Methods:

Do not contaminate storm water drains, natural waterways, or soil with chemical or used container. Where possible recycling is preferred to disposal or incineration.

If recycling is not practicable, dispose of contents/container in accordance with local regulations. Dispose of in accordance with local and national regulations.

**Disposal considerations:**

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

## 14. TRANSPORT INFORMATION



### Land transport, Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

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| **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. |
| **Special precautions for user** | Do Not Contaminate the Waterways. |
| **Shipping Name** | HYDROGEN PEROXIDE, AQUEOUS |
| **IMDG** | |
| **Hazard Class** | 8 Corrosive substances. |
| **UN Number** | 2014 |
| **Packing Group** | II |
| **Hazchem Code** | 8(Y)E |
| Transport Hazard Code | 5.1 Oxidising Agent |

**Special precautions for user:** None

## 15. REGULATORY INFORMATION

Safety, health, and environmental regulations/legislation specific for the substance or mixture

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| **HSNO Approval No** | **HSR002526** |
| **Group Standard** | Cleaning Products (Corrosive hazard) Group Standard 2020 |
| **Inventory Listing(s)** | New Zealand: NZIoC (New Zealand Inventory of Chemicals)<br>All components are listed on the NZIoC inventory or are exempt. |

## 16. OTHER INFORMATION

**Date of Preparation: 19/07/2024.**
**HSNO Classification:** 5.1.1B, 8.2B, 8.3A, 6.1D(oral),6.1D(inhalation) 6.1E(single exposure)
*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.*

**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 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.

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**End of Safety Data Sheet**