# Material Safety Data Sheet

## SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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|---|---|
| **Product name:** | **HY.GIENE FOOD SANITISER** |
| **Recommended Use:** | Chlorinated Food Sanitiser 25g/L Available Chlorine |
| **Supplier Name:** | *HY.GIENE Australia Pty. Ltd.* |
| **Supplier Address:** | Unit 3, 41 Gatwick Rd Bayswater North Victoria, 3153 |
| **Telephone:** | (03) 9729 3946 |
| **Emergency Contact:** | 1800 616 930 |

## SECTION 2 – HAZARDS IDENTIFICATION

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|---|---|
| **Hazard Classification:** | **Not classified as hazardous according to the criteria of National Occupational Health & Safety Commission.NOHSC**<br>Not classified as Dangerous Goods according to the ADG code. |
| **Hazard Category:** | C. Corrosive. |
| **Risk Phrases:** | R36/38 Irritating to eyes and skin. |
| **Safety Phrases:** | S2. Keep out of reach of children.<br>S/2425. Avoid contact with skin and eyes.<br>S26. In case of contact with eyes, rinse immediately with plenty water and seek medical advice.<br>S37,39 Wear suitable clothing, gloves and eye/face protection. |
| **Poisons Schedule:** | S5 |

### Emergency Overview

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|---|---|
| **Physical Description & colour:** | Pale Yellow-coloured, clear, viscous liquid. |
| **Odour:** | Chlorine. |
| **Major Health Hazards:** | Causes burns to eyes and skin. |

### Potential Health Effects

**Inhalation:**
**Short term exposure:** Unlikely to be irritating to respiratory tract, unless present as an aerosol.
**Long Term exposure:** No data.
**Skin Contact:**
**Short term exposure:** Product will cause irritation.
**Long Term exposure:** Likely to cause contact dermatitis. Corrosive to skin.
**Eye Contact:**
**Short term exposure:** Severe eye irritant.
**Long Term exposure:** Can result in permanent injury.
**Ingestion:**
Can result in nausea, vomiting, abdominal pain, swelling of the larynx and subsequent suffocation, cardiovascular collapse and coma.

**Carcinogen Status:**
***NOHSC:*** *No significant ingredient is classified as carcinogenic by NOHSC.*
***NTP:*** *No significant ingredient is classified as carcinogenic by NTP.*
***IARC:*** *No significant ingredient is classified as carcinogenic to humans.*

## SECTION 3 – COMPOSITION & INFORMATION ON INGREDIENTS

| Ingredients | CAS No | Proportion | TWA ($mg/m^3$) | STEL ($mg/m^3$) |
|---|---|---|---|---|
| Sodium Hypochlorite | 7681-52-9 | LOW | not available | not available |
| Other ingredients | determined not to be hazardous | | not set | not set |

KEY: Proportion, (wt %) - V HIGH >60, HIGH 30 - 60, MED 10 –29, LOW 1-9, V LOW <1

Note: The exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible. The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL.

## SECTION 4 – FIRST AID MEASURES

**NOTE:** *You should phone The Poisons Information Centre on13 1126 if you feel that you may have been poisoned or irritated by this product. Have this MSDS with you when you call.*
**Inhalation:** Remove victim to fresh air. Contact *The Poisons Information Centre* or a doctor.
**Skin Contact:** Wash affected area with water and apply moisturising cream to affected area. Always remove contaminated clothing and wash before re-use.
**Eye Contact:** With urgency, while holding eyelid(s) open, flush eye(s) with water until the product is removed or irritation has ceased. Obtain medical advice if irritation becomes painful or lasts more than several minutes.
**Ingestion:** With urgency, rinse mouth with water and drink several glasses of water. DO NOT induce vomiting. If vomiting occurs give further water to achieve effective dilution. Notify a physician and advise product is highly alkaline.

## SECTION 5 – FIRE FIGHTING MEASURES

**Fire and Explosion Hazards:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product is likely to decompose liberating toxic Chlorine gas. Fire fighters to wear self contained breathing apparatus. Material does not burn. Heating can cause expansion and rupture of containers.
Fire decomposition products from this product may be toxic if inhaled.
**Extinguishing Media:** Water, Foam or Dry Agent (Carbon dioxide, dry chemical powder).
**Fire Fighting:** If a significant quantity, (>200L) of this product is involved in a fire, call the fire brigade.
**Flash point:** Non combustible material.
**Upper Flammability Limit:** Does not burn.
**Lower Flammability Limit:** Does not burn.
**Auto ignition temperature:** Not applicable.
**Flammability Class:** Non combustible material.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:** Minor spills (less than 5 litres) do not require special clean up measures or emergency procedures. In the event of a major spill, prevent spillage from entering drains or waterways. If in doubt call the EPA. As a minimum, wear gloves and eye/face protection during clean up.

**Methods & Materials for Containment & Clean Up:** Stop leak if safe to do so, and contain spill. Absorb onto sand or other suitable absorbent. If spill is large, bund area to stop material spreading to drains or waterways. Sweep up and collect product into labeled containers for disposal. After spill, wash area with a neutralising agents such as *Sodium Metabisulphite*, and a large excess of water. If a significant quantity of material enters drains, advise emergency services. Ensure legality of disposal by consulting regulations prior to disposal. Launder protective clothing before re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

## SECTION 7 – HANDLING AND STORAGE

**Precautions for Safe Handling:** Do not mix with Acids, Oxidising Agents, Metal Salts.

**Conditions for Safe Storage:** Store in the closed original container in a cool environment out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Incompatible Materials" in Section 10.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Product Exposure Limits:** **TWA (mg/m$^3$)** Not available **STEL (mg/m$^3$)** Not available

**Ventilation:** Ensure adequate ventilation and that air concentrations of chlorine is controlled below 1 ppm .

**Eye Protection:** Safety goggles.

**Skin Protection:** Chemically resistant gloves and protective footwear.

**Respirator:** N/A – not expected to be present as an aerosol when used as intended.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Physical Description & Colour**: Pale yellow-coloured, clear, viscous liquid.
**Odour:** Chlorine
**pH (as supplied):** 12.5 (highly alkaline)
**Vapour Pressure:** Not available.
**Boiling Point:** ~ 100 °C
**Freezing/Melting Point:** - 6 °C.
**Specific Gravity:** 1.1 g/cm$^3$.
**Viscosity:** ~ 400 cPs
**Volatile organic compounds content:** < 10 %
**Percent volatile:** > 80 %
**Solubility:** Miscible with water in all proportions.

### *Additional information*

*Flash point and method of detecting flash point:* Not flammable.
*Flame propagation or burning rate of solid materials:* Not flammable.
*Properties of both flammable and non-flammable materials that may initiate or uniquely contribute to the intensity of a fire (e.g. Class 4 or Class 5):* Not flammable.
*Reactions that release flammable gases or vapours:* Evolves toxic gases on decomposition.
*Fast or intensely burning characteristics:* None expected. Not flammable.
*Non-flammables that could contribute unusual hazards to a fire:* Does not contain strong oxidants or reductants. Does not contain peroxides.
*Ignition temperature:* Not determined. Not flammable.

## SECTION 10 – STABILITY AND REACTIVITY

**Chemical Stability:** Reacts with Acids liberating Toxic Chlorine Gas.
**Conditions to Avoid:** Store in the closed original container in a cool place, out of direct sunlight.
**Incompatible Material:** Acidic compounds, Oxidising Agents, Metal Salts.
**Hazardous Decomposition Products:** This product is likely to decompose only when heated to dryness. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke are likely to be produced when heated to dryness.
**Hazardous Reactions:** Reacts with Acids to liberate toxic Chlorine gas.
**Polymerisation:** This product will NOT undergo polymerisation.

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Health effects from the likely routes of exposure:**

**Skin:** Expected to cause irritation. Can result in severe burns.
**Eye:** Severe eye irritant. Can result in permanent injury.
**Ingestion:** May result in injury to the gastrointestinal tract.
**Target Organs:** There is no data to hand indicating any particular health effects on target organs.

## SECTION 12 – ECOLOGICAL INFORMATION

Ingredients are biodegradable and will not accumulate in soil or water or cause long term problems.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal methods & containers:** 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. Check with Waste Disposal Authority before sending. DO NOT dispose into sewers or waterways.

## SECTION 14 – TRANSPORT INFORMATION

**UN Number:** 1791
**UN Shipping Name:** Hypochlorite solution.
**Packing Group:** III
**Special Precautions for user:** Wear gloves when handling.
**Hazchem code:** 2X
**ADG Code:** 8

## SECTION 15 – REGULATORY INFORMATION

All of the significant ingredients in this formulation are to be found in the AICS Database.

## SECTION 16 – OTHER INFORMATION

This MSDS contains only safety-related information. For other data, refer to product literature.

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