

This is a product.
for cleaning common stone



MAINLAND
CLEANING PRODUCTS

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HYPOCLEAN (SODIUM HYPOCHLORITE)

Sanitiser

Description

Sodium Hypochlorite is a powerful oxidising agent providing free available chlorine in a liquid form. This product is of high purity and provides economical broad spectrum sanitation for food processing plants.

Typical Properties

Appearance: Pale yellow liquid

Strength: Min 130g/L as free available Chlorine (13% w/v)

Specific Gravity: 1.23 @ 20°C

pH: 12.5 (1% w/v)

Approvals

- NZFSA – Approved (Generic Approval)
- Organic Certified – Restricted BioGro number 4885 CO1
- Kosher
- Halal Licensed

Broad spectrum sanitiser

Fast acting

Low use temperature

Non foaming

Oxidising agent

Cost effective

Effective against a wide range of organisms

Reduce plant down time

Energy savings

Free rinsing

Remove stubborn protein deposits

Low cost sanitiser

Applications

Microbiological control in food processing operations

Water treatment – water disinfection

Caustic additive to assist in removing hard protein deposits

Fogging

40ml - 8lt water - Sanitizing Cleaning
80ml - 8lt water. Sanitizing

Use Direction

Rinse equipment thoroughly with water.

Dilute Sodium Hypochlorite with clean water to the required strength for the following uses:

Sanitation of equipment:	100 – 200 ppm free available Chlorine (0.077 – 0.15% v/v)
Sterilising Fogs:	500 – 1500 ppm free available Chlorine (1:260 – 1:90 v/v)
Drinking Water Treatment:	0.2 – 0.7 ppm free available Chlorine (1:650000 – 1:185000 v/v)

Note: Care should be taken to prevent chlorine evolution and corrosion by keeping temperatures below 40°C and the pH of solutions greater than 8.

Rinse equipment thoroughly with potable water to ensure all Sodium Hypochlorite is removed.

Handling Precautions

- Caution – Contains Sodium Hypochlorite.
- Do not allow Sodium Hypochlorite to come in contact with skin or eyes.
- Do not breathe fumes.
- Full protective clothing including face shield, PVC boots and PVC gloves should be worn when handling Sodium Hypochlorite.
- Containers of Sodium Hypochlorite should be stored in a cool, well ventilated area away from direct sunlight.
- Containers should be vented to prevent swelling.
- Do not store or mix Sodium Hypochlorite with acids, alkalis, reducing agents, detergents or organic materials.
- Sodium Hypochlorite will react with acids to produce large volumes of toxic chlorine gas.
- An adequate supply of water must be available in storage and handling areas.
- Safety showers and eye wash facilities are strongly recommended.

SAFETY DATA SHEET

Section 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product Name: Hypoclean
Other Name: Hypoclean
Recommended Use: Misc. Use
Company Identification: Mainland Cleaning Products
Address: 21 Glasgow St.
Dunedin
Ph: (03) 4556805
Emergency Telephone Number: IN AN EMERGENCY, DIAL 111 – FIRE or POLICE or AMBULANCE
National Poisons Information Centre: 0800 POISON (0800 764 766) 24 HOURS

Section 2: HAZARD IDENTIFICATION

Dangerous Goods: Dangerous Goods Class 8, Packing Group III
Hazardous Substance (HSNO): 6.1D (Harmful if swallowed)
8.1A (May be corrosive to metals)
8.2B (Causes skin irritation)
8.3A (Causes serious eye damage)
9.1D (Harmful to aquatic life)
HSNO Approval: HSR002526

Section 3: COMPOSITION INFORMATION

INGREDIENT	CAS No.	CONTENT
Sodium Hypochlorite 13.5%	7681-52-9	100%

Section 4: FIRST AID MEASURES

First Aid Measures: Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
Inhalation: May cause nasal and respiratory irritation. Remove patient to fresh air. Seek medical assistance if effects occur
Ingestion: May cause burns and irritation to mouth and throat. Rinse mouth out and drink large quantities of water. Do NOT induce vomiting. If vomiting occurs give further water to achieve effective dilution. For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766). Seek medical assistance immediately.
Skin: Causes irritation to skin. Wash off thoroughly with water.
Eye: Severe irritant. Irrigate eyes thoroughly under running water for 15 minutes. Seek medical assistance if effects occur
Advice to Doctor: No specific antidote. Treat symptomatically

Section 5: FIRE FIGHTING MEASURES

Flammability: Non flammable
Hazardous Combustion Products: None

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Wear appropriate protective clothing. Exclude non-essential people from the area. Contain liquid spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Dispose of waste safely in an approved landfill.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental Precaution:	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

Handling:	Keep out of reach of children. Avoid contact with skin, eyes and inhalation.
Storage:	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs.
Other Information:	Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Limits:	No exposure limits have been assigned for this product by OSHA
Protective Equipment:	Use PVC gloves when handling.
Engineering Controls:	Handle in well ventilated area.
Hygiene Precautions:	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellowish opaque liquid
Odour:	Sodium Hypochlorite Odour
Solubility in Water:	Disperses in water
pH:	12.0
Other Information:	(SC) Suspension Concentrate

Section 10: STABILITY AND REACTIVITY

Stability:	When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture.
Hazardous Polymerisation:	Hazardous polymerisation will not occur
Materials to Avoid:	Avoid contact with strong oxidising agents

Section 11: TOXICOLOGICAL INFORMATION

Inhalation:	Breathing in mists or aerosols may produce respiratory irritation.
Ingestion:	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, and chemical burns to the gastrointestinal tract.
Skin:	Highly corrosive to skin – may cause skin burns.
Eye:	Highly corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.
Chronic Effects:	No toxicity data for this specific product,
Reproductive Toxicity:	Data indicates no reproductive effects
Mutagenicity:	No mutagenic or teratogenic effects expected

Section 12: ECOLOGICAL INFORMATION**ERMA Classification:** NA**Ecotoxicity:** Avoid contaminating waterways. The product is highly alkaline. If large spills occurred a water pH rise could be responsible for an environmental effect on aquatic organisms. If not neutralised this product could potentially be toxic for aquatic organisms because of its alkalinity (pH > 9 can have an effect on fish, with possible fish death), pH > 8.5 could be destroying for algae.**Persistence/Mobility:** This product has no organic components thus AS4351 is not applicable.**Section 13: DISPOSAL INFORMATION****Product Disposal:** Empty containers should be forwarded to an approved agent for recycling. Avoid unauthorised discharge to sewer.**Container Disposal:** The product is suitable for disposal by landfill through an approved agent. Incineration of the product is not recommended, as it is unlikely to adequately burn.**Section 14: TRANSPORT INFORMATION****RAIL/ROAD:**
UN Number: 1791
Proper Shipping Name: Sodium Hypochlorite solution
DG Class: 8
Packing Group: II
Marine Pollutant: Yes**SEA (IMDG Code):**
UN Number: 1791
Proper Shipping Name: Sodium Hypochlorite solution
DG Class: 8
Packing Group: II
Marine Pollutant: Yes**AIR: (ICAO/IATA)**
UN Number: 1791
Proper Shipping Name: Sodium Hypochlorite solution
DG Class: 8
Packing Group: II
Marine Pollutant: Yes**Other Information:****Section 15: REGULATORY INFORMATION****ACVM:** Registered pursuant to the ACVM Act 1997, P7133
See www.nzfsa.govt.nz/acvm/ for registration conditions.**ERMA:** Approved pursuant to the HSNO Act 1996, Code: HSR000466
See www.erma.govt.nz for approval controls.**Section 16: OTHER INFORMATION**

This SDS supersedes 31/03/2004 and was reviewed to include HSNO requirements.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.