

VIRTUE

# Sodium Hypochlorite

Safety Data Sheet

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**APPLAUD PLC PTY. LTD.**  
**SAFETY DATA SHEET**  
**Hazardous Substance, Dangerous Goods**

***SODIUM HYPOCHLORITE***

**1. Identification of the material and supplier**

Names

Product name : SODIUM HYPOCHLORITE  
 Supplier : APPLAUD PLC PTY LTD  
 8 STEPHENSON ROAD  
 SEAFORD VIC. 3198  
 TELEPHONE: (03) 9775 0443  
 FAX:(03) 9775 0312  
 MOBILE: 0411 353 793  
 Emergency telephone number : Normal Office Hours: Monday to Friday 8.30 to 5.00 pm (EST), (03) 9775 0443  
 Poisons Information Centres: 13 11 26 (Australia wide)  
 Emergency Services: 000 or Refer to Local Telephone Directory

Uses

Material uses : Liquid bleach  
 Date of issue : 20-February-2019

**2. Hazards identification**

This material is hazardous according to health criteria of Safe Work Australia.



**Signal Word**

Danger

**Hazard Classifications**

Skin Corrosion/Irritation - Category 1C  
 Serious Eye Damage/Irritation - Category 1  
 Acute Hazard to the Aquatic Environment - Category 1

**Hazard Statements**

EUH031 Contact with acids liberates toxic gas.  
 H314 Causes severe skin burns and eye damage.  
 H400 Very toxic to aquatic life.

**Precautionary Statements**

**Prevention**

P102 Keep out of reach of children.  
 P103 Read label before use.  
 P260 Do not breathe fumes, mist, vapours or spray.  
 P264 Wash hands, face and all exposed skin thoroughly after handling.  
 P273 Avoid release to the environment.

**Response**

P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.  
 P101 If medical advice is needed, have product container or label at hand.  
 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 victim 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.  
 P391 Collect spillage.

**Storage**

P405 Store locked up.

**Disposal**

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

**Poison Schedule:**

S5.

**DANGEROUS GOOD CLASSIFICATION**

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail"

Dangerous Goods Class: 8

**3. Composition/information on ingredients**

<b><u>INGREDIENTS</u></b>	<b><u>CAS. NO.</u></b>	<b><u>PROPORTION</u></b>
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Sodium Hypochlorite	7681-52-9	100%
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**4. First –aid measures**

First-aid measures

- Eye contact : In case of contact, immediately flush eyes with a copious amount of water for at least 15minutes. Obtain medical attention immediately.
- Skin contact : In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention immediately.
- Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention immediately.
- Ingestion : Do not induce vomiting. Rinse mouth; then drink one or two glasses of water. Contact a doctor or a Poisons Information Centre (Phone: 13 11 26). Obtain medical attention immediately. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.
- Notes to Physician : Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

**5. Fire-fighting measures**

- Hazchem code : 2R
- Extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Fire/explosions hazards : No specific hazard.

Special protective Equipment for Fire fighters : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Hazardous Decomposition Products : Not identified.

**6. Accidental release measures**

- Personal Precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8).
- Environmental Precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for Cleaning up : If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealed, liquid- proof container for disposal. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

**7. Handling and storage**

- Handling : Do not add water directly to product. Slowly stir product into water. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
- Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep away from incompatibles, such as acids, metals and ammonium salts.

**PAGE 3 OF 4: SODIUM HYPOCHLORITE**

Material Compatibility : Reacts with mineral acids producing chlorine gas. Exposure to light and heat accelerates decomposition.

**8. Exposure controls/personal protection**

Occupational exposure limits

<u>Ingredient name</u>	<u>Exposure limits</u>
Chlorine	<b>NOHSC (Australia, 7/2003)</b> AMP: 3mg/m <sup>3</sup> 15 minute(s). Form: All forms. AMP: 1ppm 15 minute(s). Form: All forms.

Engineering measures : Local exhaust ventilation should be provided.

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Eyes : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

Hands : Use chemical resistant, impervious gloves. Recommended: Elbow length PVC gloves.

Respiratory : If ventilation is inadequate, use respirator that will protect against organic vapour and dust/mist. Respiratory protection should conform to AS/NZS 1715 AND AS/NZS 1716.

Skin : Use synthetic apron, other protective equipment as necessary to prevent skin contact.

**9. Physical and chemical properties**

Physical state	: Clear Liquid
Colour	: Slight yellow appearance
Odour	: Characteristic odour
Boiling point	: -
Melting Point	: -
Vapour pressure	: -
Specific gravity	: approx 1.2
Flash point	: n/a
Vapour density	: n/a
pH concentrate	: 12.5-13.5
pH 1%	: 11.0-12.0
Solubility	: Easily soluble in cold water.

**10. Stability and reactivity**

Stability : The product is stable under normal ambient conditions of temperature and pressure.

Conditions to avoid : Direct sunlight.

Materials to avoid : Acids, metals, ammonium salts.

Hazardous Reactions : Reacts with mineral acids producing chlorine gas. Reacts with ammonium salts evolving ammonia gas. Exposure to light and heat accelerates decomposition.

**11. Toxicological information**

Potential acute health effects

Inhalation : Corrosive to the respiratory system.

Ingestion : Causes burns.

Skin contact : Corrosive to the skin.

Eye contact : Corrosive to the eyes.

Potential chronic health effects

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

## **12. Ecological information**

Ecotoxicity data : Not available  
 Persistence/ : Not available  
 Degradability  
 Mobility : Not available  
 Other adverse effects : No known significant effects or critical hazards.

## **13. Disposal considerations**

Methods of disposal : Do not reuse product containers. The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Dispose of via a licensed waste disposal contractor.

## **14. Transport information**

Regulation	UN Number	Proper shipping name	Class	Packing group	Additional information
ADG	1791	HYPOCHLORITE SOLUTIONS	8	II	<u>Hazchem code</u> 2R <u>Poisons schedule</u> S5

## **15. Regulatory information**

Australian Inventory Status : All substances are listed on AICS or exempt.

Standard for the Uniform Scheduling of Drugs and Poisons  
 Schedule S5

### Control of Scheduled Carcinogenic Substances

Ingredient name : No listed substance  
 Schedule : n/a

## **16. Other information**

Prepared by : David Greasley  
 Date of previous issue : March 2016  
 Change Made : New GHS Format

The information contained herein is to the best of our knowledge correct and complete. It is meant to describe safety requirements of this product and no warranty, express or implied is made as to its fitness for a particular purpose or any other nature as to the product to which it refers.

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.