UN GHS REVISION 7

Safety Data Sheet
Sodium Hypochlorite Solution

Version 1.0, Date of issue: 2026-07-04

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Sodium Hypochlorite Solution
Product number	C02436
Brand	Chemnovo

1.3 Recommended use of the chemical and restrictions on use

Laboratory reagent

1.4 Supplier's details

Name	Hurst Scientific
Address	2 Transit Place, 6112 Forrestdale WA, Australia
Telephone	1300 778 068
email	sales@hurstscientific.com.au

1.5 Emergency phone number

Australian Poisons Information Centre 13 11 26
Australian Emergency Services 000

SECTION 2: Hazard identification

General hazard statement

Classified as a Hazardous substance according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous goods according to the ADG Code for the Transport of Dangerous Goods by Road and Rail (7th Edition).

2.1 Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

- Skin Corrosion/Irritation, Cat. 1
- Serious Eye Damage/Irritation, Cat. 1
- STOT – Single Exposure (respiratory irritation), Cat. 3
- Hazardous to the Aquatic Environment (Acute), Cat. 1
- Hazardous to the Aquatic Environment (Chronic), Cat. 1

2.2 GHS label elements, including precautionary statements

Pictograms

1. Corrosion; 2. Exclamation mark; 3. Environment

Signal word

Danger

Hazard statement(s)

H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
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.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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 CENTRE/doctor.
P321	Specific treatment (see supplemental first-aid instructions on this label).
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local regulations.

2.3 Other hazards

No information available on PBT / vPvB status or endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Component	Concentration
Sodium hypochlorite (CAS: 7681-52-9)	**≥ 5 – < 6%**
CLASSIFICATIONS: Skin Corrosion/Irritation, Cat. 1B; Serious Eye Damage/Irritation, Cat. 1; Hazardous to the Aquatic Environment (Acute), Cat. 1; Hazardous to the Aquatic Environment (Chronic), Cat. 1; STOT – Single Exposure (respiratory irritation), Cat. 1. **HAZARDS:** H314 - Causes severe skin burns and eye damage; H318 - Causes serious eye damage; H400 - Very toxic to aquatic life; H410 - Very toxic to aquatic life with long lasting effects; H335 - May cause respiratory irritation.	
Water (CAS: 7732-18-5)	**≥ 94 – < 95%**

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

Eye contact

Flush eyes with copious amounts of water for at least 15 minutes. Seek immediate medical attention.

Skin contact

Immediately remove all contaminated clothing, footwear and jewellery. Flush the affected area with copious amounts of water for at least 15 minutes. Seek immediate medical attention. Wash contaminated clothing before re-use.

Inhalation

Evacuate to fresh air immediately. If unconscious, place in recovery position and provide artificial respiration if breathing ceases. Seek medical attention.

Ingestion

DO NOT induce vomiting. Wash mouth out with copious amounts of water and seek medical attention.

First-aid facilities

Eye wash station, safety shower and First Aid kit.

4.2 Most important symptoms and effects, both acute and delayed

The most important symptoms and effects are described in Section 2 (hazard statements) and Section 11 (toxicological information).

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically. For advice, contact the Poisons Information Centre (Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

The product itself is non-combustible. Use an extinguishing medium suitable for the surrounding fire. Do not allow water to enter containers.

5.2 Specific hazards arising from the chemical

The product is non-combustible. Heating or fire may produce irritating, poisonous or corrosive gases. Containers may rupture when heated.

5.3 Special protective actions for fire-fighters

Fire fighters should wear self-contained breathing apparatus (SCBA) operated in positive-pressure mode and a chemical splash suit; a structural firefighter's uniform provides only limited protection against these materials. Fight the fire from a safe location. Prevent firefighting runoff from entering waterways, drains and sewers. Contain and collect fire-control water for later disposal.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin and eyes. Wear suitable protective equipment (see Section 8). Evacuate non-essential personnel from the area.

6.2 Environmental precautions

Prevent the spill from entering drains, sewers and waterways. In the event of a major spill, contain the material and notify the relevant authorities. This product is hazardous to the aquatic environment — prevent any release to the environment.

6.3 Methods and materials for containment and cleaning up

Contain the spill and prevent entry into drains, sewers and waterways. Absorb with inert absorbent material (e.g. sand, vermiculite or earth) and transfer to a suitable, labelled container for disposal. Rinse the affected area with water. Dispose of in accordance with Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe mists or vapours. Wear appropriate protective clothing to avoid any contact.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area. Store away from incompatible materials (see Section 10). Inspect containers regularly for damage or leaks. Store in light-resistant containers fitted with vented closures to relieve internal pressure. The product may decompose on prolonged storage.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Sodium hypochlorite (CAS: 7681-52-9)
AU/SWA (AU): No occupational exposure limit established.

Water (CAS: 7732-18-5)
AU/SWA (AU): No occupational exposure limit established.

8.2 Appropriate engineering controls

Ensure an adequate ventilation or exhaust system is in place.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standard AS 1337 and be selected and used in accordance with AS 1336.

Skin protection

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Hand protection

Use occupational protective gloves complying with AS 2161 (Selection, Use and Maintenance).

Respiratory protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Colourless to yellowish
Colour	No data available
Odour	No data available
Odour threshold	No data available
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	No data available
Flammability	No data available
Lower and upper explosion limit/flammability limit	No data available
Flash point	No data available
Explosive properties	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Oxidising properties	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility	Water: 100 % in water
Partition coefficient n-octanol/water (log value)	No data available
Vapour pressure	23.3 hPa at 20 °C
Evaporation rate	No data available
Density and/or relative density	1.097 g/cm³
Relative vapour density	No data available
Particle characteristics	No data available
Supplemental information regarding physical hazard classes	No data available
Further safety characteristics (supplemental)	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Non-reactive under recommended conditions for use and storage.

10.2 Chemical stability

Stable under recommended conditions for use and storage, however, will decompose on contact with air (Carbon Dioxide in air).

10.3 Possibility of hazardous reactions

Polymerisation will not occur. Reacts exothermically with acids liberating toxic Chlorine gas.

10.4 Conditions to avoid

Direct sunlight, air, acids, metals and temperature extremes.

10.5 Incompatible materials

Acids, metals, metal salts, Peroxides, reducing agents, EDTA, Amines, Sodium Hydroxide, Ethylene Glycol and Ammonium salts.

10.6 Hazardous decomposition products

Toxic, irritating and corrosive Chlorine gases may evolve.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
5800 mg/kg (mouse, LD50 oral) (Sodium hypochlorite)

Skin corrosion/irritation
Causes severe skin burns and eye damage.

Serious eye damage/irritation
Causes serious eye damage.

Respiratory or skin sensitisation
Not expected to be a respiratory or skin sensitiser.

Germ cell mutagenicity
Not considered to be a mutagenic hazard.

Carcinogenicity
Not classifiable as to its carcinogenicity to humans (IARC Group 3).

Reproductive toxicity
Not considered to be toxic to reproduction.

Specific target organ toxicity (STOT) - single exposure
May cause respiratory irritation.

Specific target organ toxicity (STOT) - repeated exposure
Not expected to cause toxicity to a specific target organ through repeated exposure.

Aspiration hazard
Not expected to be an aspiration hazard.

SECTION 12: Ecological information

Toxicity
Product forms corrosive mixtures with water. Highly toxic for the aquatic environment

Persistence and degradability
Biodegradable

Bioaccumulative potential
Not expected to bio-accumulate

Mobility in soil
No data available

Results of PBT and vPvB assessment
No data available

Endocrine disrupting properties
No data available

Other adverse effects
No data available

SECTION 13: Disposal considerations

Product disposal
Dispose of in accordance with local authority guidelines. Empty containers may still represent a hazard.

Packaging disposal
Dispose of in accordance with local authority guidelines.

Waste treatment
Dispose of in accordance with local authority guidelines.

Sewage disposal
Do not contaminate drains and waterways.

Other disposal recommendations
Do not discharge this material into waterways, drains and sewers.

SECTION 14: Transport information

ADG (Australian Dangerous Goods Code, 7th Edition)

UN Number	UN1791
Proper shipping name	HYPOCHLORITE SOLUTION
Transport hazard class	8
Packing group	III
Hazchem code	2X
Environmental hazards	Marine pollutant

IMDG (International Maritime Dangerous Goods Code)

UN Number	UN1791
Proper shipping name	HYPOCHLORITE SOLUTION
Transport hazard class	8
Packing group	III
Marine pollutant	Yes

IATA (International Air Transport Association Dangerous Goods Regulations)

UN Number	UN1791
Proper shipping name	HYPOCHLORITE SOLUTION
Transport hazard class	8
Packing group	III

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Sodium hypochlorite (CAS: 7681-52-9)

Australia SUSMP — Poison Schedule: Schedule 5

Water (CAS: 7732-18-5)

Australia SUSMP — Poison Schedule: Not Scheduled (NS)

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product.

SECTION 16: Other information

16.1 Further information/disclaimer

References

1. Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (June 2023).
2. Safe Work Australia, National Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015).
3. Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants (2013).
4. National Transport Commission Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code), Volume 1, Edition 7.9 (2023).
5. Standards Australia, Dangerous Goods Initial Emergency Response Guide: Australian Handbook (SAA/SNZ HB76); Homebush (2004).

16.2 Preparation information

This SDS is prepared in accordance with the Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (June 2023). The information contained within is believed to be accurate at the date of preparation/review. Hurst Scientific makes no claims of the accuracy or completeness of the information and excludes all liability for any loss or damage related to the supply or use of the information in this safety data sheet. It is recommended the user make their own determinations as to the suitability of the information provided to the application in which the product is to be used. Copyright © 2026 Hurst Scientific