UN GHS REVISION 7

# Safety Data Sheet
# Sodium Chlorite Flakes 80%

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

## SECTION 1: Identification

### 1.1 GHS Product identifier

| | |
|---|---|
| **Product name** | Sodium Chlorite Flakes 80% |
| **Product number** | C02388 |
| **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. 1B
- STOT – Repeated Exposure, Cat. 2
- Acute Toxicity (Oral), Cat. 3
- Acute Toxicity (Dermal), Cat. 2
- Oxidising Liquid/Solid, Cat. 1
- 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. Flame over circle; 2. Corrosion; 3. Skull and crossbones; 4. Health hazard; 5. Environment

**Signal word**

**Danger**

**Hazard statement(s)**

| | |
|---|---|
| **H271** | May cause fire or explosion; strong oxidiser. |
| **H301** | Toxic if swallowed. |
| **H310** | Fatal in contact with skin. |
| **H314** | Causes severe skin burns and eye damage. |
| **H373** | May cause damage to organs through prolonged or repeated exposure. |
| **H400** | Very toxic to aquatic life. |
| **H410** | Very toxic to aquatic life with long lasting effects. |

**Precautionary statement(s)**

| | |
|---|---|
| **P210** | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| **P220** | Keep away from clothing and other combustible materials. |
| **P260** | Do not breathe dust/fume/gas/mist/vapours/spray. |
| **P262** | Do not get in eyes, on skin, or on clothing. |
| **P264** | Wash hands thoroughly after handling. |
| **P270** | Do not eat, drink or smoke when using this product. |
| **P273** | Avoid release to the environment. |
| **P280** | Wear protective gloves/protective clothing/eye protection/face protection. |
| **P283** | Wear fire-resistant/flame-retardant clothing. |
| **P301+P310** | IF SWALLOWED: Immediately call a POISON CENTRE/doctor. |
| **P301+P330+P331** | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| **P302+P352** | IF ON SKIN: Wash with plenty of water. |
| **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. |
| **P306+P360** | IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. |
| **P314** | Get medical advice/attention if you feel unwell. |
| **P321** | Specific treatment (see supplemental first-aid instructions on this label). |
| **P361+P364** | Take off immediately all contaminated clothing. And wash it before reuse. |
| **P363** | Wash contaminated clothing before reuse. |
| **P370+P378** | In case of fire: Use appropriate extinguishing media for the surrounding fire. |
| **P371+P380+P375** | In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. |

| | |
|---|---|
| **P391** | Collect spillage. |
| **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

### 3.1 Substances

**Hazardous components**

| Component | Concentration |
|---|---|
| **Sodium chlorite (CAS: 7758-19-2)** | **80%** |
| **CLASSIFICATIONS:** Skin Corrosion/Irritation, Cat. 1B; STOT – Repeated Exposure, Cat. 2; Acute Toxicity (Oral), Cat. 3; Acute Toxicity (Dermal), Cat. 2; Oxidising Liquid/Solid, Cat. 1; Hazardous to the Aquatic Environment (Acute), Cat. 1; Hazardous to the Aquatic Environment (Chronic), Cat. 1. **HAZARDS:** H271 - May cause fire or explosion; strong oxidiser; H301 - Toxic if swallowed; H310 - Fatal in contact with skin; H314 - Causes severe skin burns and eye damage; H373 - May cause damage to organs through prolonged or repeated exposure; H400 - Very toxic to aquatic life; H410 - Very toxic to aquatic life with long lasting effects. | |

## 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

Use flooding quantities of water. Do NOT use dry chemical powder, carbon dioxide or foam. In a large fire, flood the fire area with water from a protected position and dam fire-control water for later disposal. Do not scatter spilled material with high-pressure water streams.

### 5.2 Specific hazards arising from the chemical

Strong oxidiser — may cause fire or explosion. Will intensify fire and accelerate burning. May ignite combustible materials such as wood, paper, oil and clothing. Containers may explode when heated. Combustion may produce toxic and irritating gases.

### 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. If safe to do so, move undamaged containers from the fire area. Do not move containers that have been exposed to heat. In case of major fire and large quantities: evacuate the area and fight the fire remotely due to the risk of explosion. 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. Avoid generating and breathing dust.

### 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 further release. Sweep or vacuum the spilled material using clean, non-sparking tools, avoiding dust generation. Place the collected solid into a labelled, sealable container for disposal. Ventilate the area.

## 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. Prevent dispersion of dust. Use local exhaust ventilation where dust or aerosol may be generated. 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. Keep containers tightly closed and upright when not in use. Store away from incompatible materials (see Section 10). Inspect containers regularly for damage or leaks. Store away from combustible and reducing materials and from sources of heat. Do not store near acids or combustible materials — contact with acids liberates toxic chlorine dioxide gas. Keep dry and prevent contact with water during storage.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Sodium chlorite** (CAS: 7758-19-2)
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 particulate 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 | Solid |
| Appearance | powder |
| Colour | No data available |
| Odour | No data available |
| Odour threshold | No data available |
| Melting point/freezing point | Decomposes as it melts between 180-200 °C |
| 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 | 10.0 - 11.0 (100 g/L, 20 °C) |
| Kinematic viscosity | No data available |
| Solubility | 545 g/l at 20 °C |
| Partition coefficient n-octanol/water (log value) | log Pow < -2.7 |
| Vapour pressure | No data available |
| Evaporation rate | No data available |
| Density and/or relative density | 2.468 g/cm³ in crystalline form |
| 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

Stable under normal conditions of storage and handling.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None under normal use conditions.

### 10.4 Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

### 10.5 Incompatible materials

Strong reducing agents, Powdered metals, Phosphorus, Sulphur compounds, Zinc, Ammonia, Organic materials, acids, Amines

### 10.6 Hazardous decomposition products

No data available.

## SECTION 11: Toxicological information

**Information on toxicological effects**

**Acute toxicity**

Toxic if swallowed; Fatal in contact with skin; 165 mg/kg (rat, LD50 oral); Dermal $LD_{50}$: 134 mg/kg; 230 mg/m3/4H (rat, LC50 inhalation)

**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

**Reproductive toxicity**

Not considered to be toxic to reproduction.

**Specific target organ toxicity (STOT) - single exposure**

Not expected to cause toxicity to a specific target organ.

**Specific target organ toxicity (STOT) - repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

Not expected to be an aspiration hazard.

## SECTION 12: Ecological information

**Toxicity**

to fish flow-through test LC50 - Cyprinodon variegatus (sheepshead minnow) - 105 mg/l - 96 h to daphnia and static test EC50 - Daphnia magna (Water flea) - < 1 mg/l - 48 h other aquatic invertebrates to algae static test EC50 - Pseudokirchneriella subcapitata (green algae) - 1 mg/l - 96 h

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**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** | UN1496 |
| **Proper shipping name** | SODIUM CHLORITE |
| **Transport hazard class** | 5.1 |
| **Packing group** | II |
| **Hazchem code** | 1Y |
| **Environmental hazards** | Marine pollutant |

**IMDG (International Maritime Dangerous Goods Code)**

| | |
|---|---|
| **UN Number** | UN1496 |
| **Proper shipping name** | SODIUM CHLORITE |
| **Transport hazard class** | 5.1 |
| **Packing group** | II |
| **Marine pollutant** | Yes |

**IATA (International Air Transport Association Dangerous Goods Regulations)**

| | |
|---|---|
| **UN Number** | UN1496 |
| **Proper shipping name** | SODIUM CHLORITE |
| **Transport hazard class** | 5.1 |
| **Packing group** | II |

## SECTION 15: Regulatory information

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

**Sodium chlorite (CAS: 7758-19-2)**

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