



**Safety Data Sheet**  
**HY-CLOR PH DECREASER**  
**HY-CLOR SPA PH DECREASER**

REVIEWED: 18 MARCH 2024  
BASED ON: Australian SDS reviewed 18 MARCH 2024  
DATE PRINTED: 10 May 2024

This SDS has been amended to comply with EPA NZ SDS Notice 2017 (as amended)  
Section Part B Clause 9.

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Product Name:** HY-CLOR PH DECREASER  
HY-CLOR SPA PH DECREASER

**Chemical name:** Sodium Bisulphate

**Synonyms:** Sulfuric acid, monosodium salt; Sodium Hydrogen Sulphate, Sodium Acid Sulphate; Monosodium hydrogen sulfate; Sodium sulfate;

**Product Code:** HYCPHDHP03, HYCPHDSP03, HYCSPAPHD500

**Recommended Use of the Chemical and Restrictions on Use:** Used to lower pH levels in swimming pool water

**Supplier:** Hy-Clor Australia Pty Ltd

**Street Address:** Suite A, Floor 8 Harbourview Building, 152, Quay Street, Auckland Central, Auckland 1010, NZ.

**Telephone Number:** +6499732477 8.30 – 4.30 pm Monday to Friday

**After Hours Contact:** 0404 859 515 (Aus)

**Email Contact:** [help@hyclor.com.au](mailto:help@hyclor.com.au)

**Emergency Telephone:** **0800764766** New Zealand National Poisons Centre: (24 hours)  
111 (Transport, fire, ambulance only)

**Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information."**

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### 2. HAZARD IDENTIFICATION

This product is classified as a hazardous substance according to its GHS classification. It is not a Dangerous Good.

**Poisons Schedule: Not Scheduled**

**GHS Hazard Statement(s)**

**GHS Category and Hazard Statement(s) – as listed in HCIS and/or PubChem**

<b>Eye corrosion Category 1</b>	<b>H318</b>	Causes serious eye damage.
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Precautionary statements

**Prevention:**

P280 Wear eye protection/ face protection.

**Response:**

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/ doctor.

Hazard pictograms



Signal word

**DANGER**

**Label Statements:**

Keep out of reach of Children  
Read Label before use  
If medical advice is needed, have product container or label at hand.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration (% w/w)
Sodium bisulphate	7681-38-1	100%

### 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre. Phone Australia 13 1126 or a doctor. Have this SDS when you call.

<b>Swallowed:</b>	Do not induce vomiting unless advised to do so from, a medical practitioner. Wash out mouth with water and give plenty of water to drink. Seek medical attention.
<b>Skin:</b>	Wash affected area thoroughly with soap and water. Remove contaminated clothing and shoes immediately. Wash before reuse or discard.
<b>Eye:</b>	If contact with the eye(s) occurs, or if eye irritation arises, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation occurs seek immediate medical attention.
<b>Inhaled:</b>	Remove from contaminated area. If symptoms develop seek medical attention.
<b>Note to Physician</b>	Treat symptomatically

### 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Special hazards arising from the chemical:</b>	Not combustible. Decomposes on heating, emitting sulfur oxides, sodium oxides and other toxic fumes.

Product Name: Hy-Chlor pH Decreaser & Hy-Chlor Spa Decreaser

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<b>Special protective equipment and precautions for fire firefighters:</b>	In the event of fire, wear self-contained breathing apparatus. Isolate spill or leak area in all directions for at least 50 meters. Contain runoff from fire control or dilution water - Runoff may cause pollution.
<b>Hazchem Code:</b>	<b>None</b>

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedure</b>	This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. Wear personal protective equipment as described in Section 8.
<b>Environmental precautions</b>	Keep spilt products out of drains, sewers and waterways. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
<b>Methods and materials for containment and cleaning up</b>	For minor spills, contain and sweep up, place contaminated material in a sealed container and place in garbage. For large quantities dispose of at an approved waste management site. Wash area down with excess water.

**7. HANDLING AND STORAGE**

<b>Precautions for safe handling</b>	Observe normal personal hygiene. No special equipment is needed when handling small quantities.
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**Safe storage,  
including any  
incompatibilities**

Store in a cool, dry well-ventilated area, out of direct sunlight.  
Store in labelled, original containers. Keep containers tightly closed. Store away from incompatible materials described in Section 10.

<b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**Occupational Exposure Limits:** Exposure limits have not been established by Safe Work Australia for this product.

**Exposure controls**

**Appropriate Engineering Controls:** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

**Personal Protective equipment - for manufacturing and bulk handling situations:** The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

**Clothing:** Wear overalls and shoes including chemical resistant apron where clothing is likely to be contaminated.

**Skin Protection:** Wear gloves of impervious material such as PVC, neoprene or nitrile. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken.

**Eye Protection:** Tightly fitting safety goggles or full-faced shields as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken.

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**Respiratory Protection:** Respiratory protection is not normally necessary, unless the production of dust is significant. In such cases, engineering control is preferable. However, a suitable respirator may be worn that meets the requirements of AS/NZS 1715 and AS/NZS 1716.

**Personal Hygiene:** Always wash hands after handling this product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White crystalline solid	<b>Vapour density:</b>	No data found
<b>Odour:</b>	odourless	<b>Density/Relative density:</b>	No data found
<b>pH:</b>	1	<b>Water solubility:</b>	285 g/l at 25 °C - completely soluble
<b>Melting point / freezing point:</b>	ca.315 °C	<b>Partition coefficient n-octanol/water:</b>	Not applicable,
<b>Initial boiling point and boiling range:</b>	No data found	<b>Auto-ignition temperature:</b>	Not applicable
<b>Flash point:</b>	Not flammable	<b>Decomposition temperature:</b>	No data found
<b>Evaporation rate:</b>	No data found	<b>Viscosity:</b>	No data found
<b>Flammability:</b>	Not flammable	<b>Explosive properties:</b>	Not explosive
<b>Upper/lower flammability limits:</b>	Not flammable	<b>Oxidising properties:</b>	None
<b>Vapour pressure:</b>	No data found	<b>Molecular formula &amp; molecular weight</b>	HNaSO <sub>4</sub> <sup>+</sup> 120.06 g/mol

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**10. STABILITY AND REACTIVITY**

<b>Reactivity:</b>	Dissolves in water to give strongly acidic solutions.
<b>Chemical Stability:</b>	This product is stable and unlikely to react or decompose under normal circumstances.
<b>Possibility of hazardous reactions:</b>	Acidic salts, such as SODIUM BISULFATE, SOLUTION, are generally soluble in water. The resulting solutions contain moderate concentrations of hydrogen ions and have pHs of less than 7.0. They react as acids to neutralize bases. These neutralizations generate heat, but less or far less than is generated by neutralization of inorganic acids, inorganic oxoacids, and carboxylic acid. They usually do not react as either oxidizing agents or reducing agents, but such behavior is not impossible.
<b>Conditions to avoid:</b>	Exposure to moisture. Exposure to water vapor.
<b>Incompatible materials:</b>	Incompatible with strong bases and oxidizing agents.

**11. TOXICOLOGICAL INFORMATION**

<b>Acute Oral</b>	No data found
<b>Acute Dermal</b>	No data found
<b>Skin corrosion/irritation</b>	Rabbit – not a skin irritant.
<b>Serious eye damage/eye irritation</b>	Rabbit - Causes serious eye irritation.-
<b>Inhalation</b>	No data found
<b>Respiratory or skin sensitisation</b>	No data found
<b>Mutagenicity</b>	No data found
<b>Reproduction/Development</b>	No data found

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<b>Carcinogenicity</b>	No data found
<b>Specific target organ toxicity - single exposure</b>	No data found n.
<b>Specific target organ toxicity - repeated exposure</b>	No data found
<b>Aspiration hazard</b>	No data found

<b>12. ECOLOGICAL INFORMATION</b>
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<b>Aquatic toxicity</b>	No data found
<b>Persistence and degradability</b>	No data found.
<b>Bioaccumulative potential:</b>	No data found
<b>Mobility in soil</b>	No data found
<b>PBT identification:</b>	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
<b>Other adverse effects:</b>	No data found.

<b>13. DISPOSAL CONSIDERATIONS</b>
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**Disposal:** Rinse empty containers in the pool and dispose of by wrapping with paper and putting in garbage. For larger quantities, refer to local government authority for disposal recommendations. Dispose of material through a licensed waste contractor. Normally suitable for disposal at approved land waste site. Handle uncleaned containers like the product itself.



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**14. TRANSPORT INFORMATION**

This product is not a Dangerous Good

**15. REGULATORY INFORMATION**

<b>EPA NZ Approval</b>	HSR002684 (Water-Treatment-Chemicals-Subsidiary-Hazard-Group-Standard-2020)
<b>Listed in NZ NZIoC:</b>	Sulfuric acid, monosodium salt may be used under an appropriate Group Standard
<b>Poisons Standard (Scheduling):</b>	Not scheduled
<b>APVMA Product Number:</b>	Not regulated by APVMA
<b>Listing in the Australian Inventory of Chemical Substances (AICS)</b>	Listed as Sulfuric acid, monosodium salt

**16. OTHER INFORMATION**

<b>ADG</b>	Australian Code for the Transport of Dangerous Goods by Road & Rail Edition 7.5, 2017
<b>AS/NZS</b>	Australian Standard/New Zealand Standard
<b>CAS Number:</b>	Unique Chemical Abstracts Service Registry Number
<b>EC<sub>50</sub>:</b>	Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species).

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<b>GHS:</b>	Globally Harmonized System of classification and labelling of chemicals (GHS)
<b>Hazchem Code:</b>	Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters
<b>HCIS:</b>	Hazardous Chemical Information System ( <a href="http://hcis.safeworkaustralia.gov.au/HazardousChemical">http://hcis.safeworkaustralia.gov.au/HazardousChemical</a> )
<b>HSNO:</b>	Hazardous Substance and New Organisms
<b>IARC:</b>	International Agency for Research on Cancer
<b>LD<sub>50</sub>:</b>	Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).
<b>IDLH:</b>	Immediately dangerous to life or health ( <b>IDLH</b> ) is <b>defined</b> by the US National Institute for Occupational Safety and Health (NIOSH)
<b>LC<sub>50</sub>:</b>	Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population.
<b>NTP:</b>	National Toxicology Program (USA)
<b>NZIoC</b>	New Zealand Inventory of Chemicals
<b>SDS:</b>	Safety Data Sheet
<b>STEL:</b>	Short term exposure limit (STEL) means the time-weighted average maximum airborne concentration of a substance calculated over a 15 minute period.
<b>TWA:</b>	8-hour Time-weighted average (TWA) means the maximum average airborne concentration of a substance when calculated over an eight-hour working day, for a five-day working week.
<b>WES:</b>	Workplace exposure standard
<b>UN Number:</b>	United Nations Dangerous Goods Number

### References:

Work Safe Australia Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (June 2023). The exposure standards comply with the Australian Workplace Exposure Standards for Airborne Contaminants. The Dangerous Goods Classification complies with the Australian Code for the Transport of Dangerous Goods by Road & Rail Edition 7.8, 2022. Other

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information from ChemIDPlus and linked databases and the European Chemicals Agency Classification and Labelling database. SDS for components,

**Sections Revised:** 1, 15, 16

**Modified from Australian SDS revision:** 18 March 2024

**Disclaimer**

This Safety Data Sheet (SDS) has been prepared in compliance with the Work Safe Australia Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (June 2023). The information in this SDS should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Hy-Clor Australia Pty. Limited shall not be held liable for any damage resulting from handling or from contact with the above product.

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