

Safety Data Sheet

Sodium Hypochlorite 13% Mountain Cleaning Products

Issue Date: December 2021

Valid To: December 2026


SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

Trade Name:	Sodium Hypochlorite 13%
Synonyms:	Bleach, Chlorine
Chemical Formula:	NA
CAS Number:	NA
Product Uses:	Sanitising, disinfecting and bleaching agent
Supplier/Manufacturer:	Mountain Cleaning Products
Address:	7/7/ Snow St, South Lismore, NSW 2480
Telephone:	02 6622 8733
Fax:	02 6622 8744
Email:	support@mountaincleaning.com.au
Website:	www.mountaincleaning.com.au
Emergency Telephone:	13 11 26 (Poisons Information Centre)

SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification:	Corrosive to metals (Category 1). Skin corrosion (Sub-category 1C). Eye damage (Category 1).
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LABELLING ELEMENTS:

Signal Word:	Danger
Pictogram(s):	 Corrosive
Hazard Statement(s):	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. AUH031 Contact with acid liberates toxic gas.
Precautionary Statement(s):	Prevention P234 Keep only in original container. P260 Do not breathe fumes/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P273 Avoid release to the environment (unless intended use).

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	<p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>Response</p> <p>P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse skin with water/shower. P363 wash contaminated clothing before reuse.</p> <p>P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTRE (13 11 26) or doctor.</p> <p>P321 Specific treatment, see First Aid Measures on this Safety Data Sheet.</p> <p>P390: Absorb spillage to prevent material damage</p> <p>P391: Collect spillage.</p>
Storage:	<p>P405 Store locked up.</p> <p>P406: Store in corrosive resistant container.</p>
Disposal:	<p>P501 Dispose of contents/container to an approved waste disposal plant.</p>

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	CAS No.s	Percentage (w/w)	Classification
Water	7732-18-5	>60%	
Sodium hypochlorite	7681-52-9	10-30%	H314 + H400
Sodium hydroxide	1310-73-2	<1%	H314

SECTION 4: FIRST AID MEASURES

First Aid Facilities:	Normal washroom facilities. Safety shower and emergency eye wash.
Eye Contact:	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist) if there are ongoing symptoms.

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Skin Contact:	Remove contaminated clothing. Immediately wash contaminated skin with plenty of soap and water. Seek medical advice if irritation, burning or redness occurs and persists.
Inhalation:	Remove victim to fresh air away from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position, keep warm and at rest. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. Seek immediate medical advice.
Ingestion:	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice.
Advice to Doctor:	No specific antidote. Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
Scheduled Poisons:	Poisons Information Centre in each Australian State capital city can provide additional assistance for scheduled poisons. Phone Australia 13 11 26.

SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosion Hazard:	Non-flammable. May evolve toxic gas (chlorine) when heated to decomposition.
Extinguishing Media:	If material is involved in a fire use fine water spray, or use normal foam or dry agent (carbon dioxide, dry chemical powder).
Fire Fighting:	Keep containers exposed to extreme heat cool with fine water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition.
Flash Point:	None.
Hazchem Code:	2X

SECTION 6: ACCIDENTAL RELEASE MEASURES

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Minor Spills:	Do not normally require special clean-up measures. Sweep up residues and rinse area with water.
Major Spills:	For example transport accident or bulk spill. Clear area of unprotected personnel. Work up wind or increase ventilation. Prevent spillage from entering drains or watercourses. Wear appropriate protective equipment (see section 8) to prevent skin and eye contamination and inhalation of fumes. Contain spillage, then cover/absorb spill into dry, inert material (e.g. sand, earth or vermiculite), collect and place into suitable containers, appropriately labeled, for disposal by an approved agent according to local conditions. Spillage area may remain slippery. Flush spill area with water. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.
PPE:	Personal protective equipment advice is contained in Section 8 of this document.

SECTION 7: HANDLING AND STORAGE

Handling:	Avoid skin and eye contact and avoid breathing in vapours. Keep out of reach of children. Always wash hands with water after handling.
Storage:	Store in a cool, dry, place with good ventilation and out of direct sunlight. Avoid storing in aluminium and alloy containers. Store away from incompatible materials (see Section 10). Keep containers closed at all times when not in use.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS: None established for this product.

Ingredient	TWA	STEL	Notes
Sodium hypochlorite	1ppm- 3mg/m ³	Not set	
Sodium hydroxide	2mg/m ³		

Personal Protection:	Overalls, chemical goggles or face shield, gloves (LONG).
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	Possibly apron and rubber boots.
Engineering Controls:	Ensure ventilation is adequate. Where an inhalation risk exists, mechanical extraction ventilation is recommended to maintain vapour levels below recommended exposure standard.
Eye and Face Protection:	Chemical goggles or face shield.
Hand and Skin Protection:	Wear impervious PVC or rubber gloves (long) to dispense. Wear coveralls. When using large quantities or where heavy contamination is likely, wear rubber boots and a PVC apron.
Inhalation Protection:	Where an inhalation risk exists wear a Type B (inorganic vapours and gasses) respirator that meets AS/NZS 1715 and AS/NZS 1716.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear pale, yellow liquid
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Odour:	Chlorine	Vapour Pressure:	Not available
Odour Threshold:	Not available	Vapour Density:	Not available
pH:	12.5-13.5 neat	Relative Density (Water=1):	1.17-1.2 @ 25 °C
Melting/Freezing Point:	Not available	Water Solubility:	Soluble
Boiling Point:	100 °C approx.	Partition Coefficient n-Octanol/Water	Not available
Flash Point:	Not relevant	Auto-ignition Temperature	Not available
Evaporation Rate:	Not available	Decomposition Temperature	Not available
Flammability:	Not flammable	Viscosity	Non viscous
Upper/Lower Flammability:	Not relevant		

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	May evolve chlorine gas when heated to decomposition.
Chemical Stability:	Stable under recommended conditions of storage.

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Possibility of Hazardous Reactions:	Hazardous polymerisation will not occur. Reacts exothermically with acids. Reacts with ammonia, amines and ammonium salts to produce chloramines. Decomposes on heating to produce chlorine gas.
Conditions to Avoid:	Avoid contact with foodstuffs; exposure to heat, ignition sources and open flame; and exposure to direct sunlight. Avoid contact with acids and mixing with other chemicals.
Incompatible Materials:	Acids, metals, metal salts, organic materials (e.g. peroxides), reducing agents (e.g. amines), EDTA.

SECTION 11: TOXICOLOGICAL INFORMATION

Inhaled:	Breathing in mists or aerosols may produce respiratory irritation, coughing, nausea and headache. Delayed (up to 48 hours) fluid build up in lungs may occur.
Skin Contact:	May result in irritation, redness, pain, rash, dermatitis and possible burns.
Eye Contact:	Corrosive to eyes. Contact can cause irritation; redness, corneal burns and can possibly result in permanent injury.
Ingestion:	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
Acute Toxicity:	No LD50 data available for this product. For main active constituent, sodium hypochlorite: Oral LD50 (mice) - 5800mg/kg Oral TDLo (woman) - 1gm/kg Intravenous TDLo (man) - 45mg/kg
Chronic:	No information available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Acute aquatic toxicity (Category 1). Very toxic to aquatic life. Avoid contaminating waterways. LC50 (fish) - 0.07-5.9 mg/l – 48h.
Persistence and Degradability:	Biodegradable to salt and oxygen.
Bioaccumulative Potential:	None known.

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Mobility in Soil:	May leach to ground water with resultant toxicity to aquatic organisms.
Other Adverse Affects:	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods:	Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered.
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SECTION 14: TRANSPORT INFORMATION

ADG Code Classification:	Dangerous Goods.
UN No.:	1791
Proper Shipping Name:	HYPOCHLORITE SOLUTION
Transport Hazard Class:	8 – Corrosive 
Packing Group:	III
Hazchem Code:	2X
Environmental Hazards for Transport:	Harmful to aquatic life.

SECTION 15: REGULATORY INFORMATION

SUSMP (Poison Schedule):	S5 Caution
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SECTION 16: OTHER INFORMATION

Acronyms:	ADG – Australian Code for the Transport of Dangerous Goods by Road and Rail. AICS – Australian Inventory of Chemical Substances. CAS No. – Chemical Abstract Service Number used to uniquely identify chemical compounds.
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	<p>GHS – Globally Harmonised System. HAZCHEM – An emergency action code that gives information to emergency services during transport emergencies. IARC – International Agency for Research on Cancer. LC50 – Lethal concentration to kill 50% of test population. LD50 – Lethal dose, to kill 50% of test population. Mg/m³ – Milligrams per cubic metre. PPM – Parts per million. STEL – Short Term Exposure Limit. STOT – SE/RE – Specific Target Organ Toxicity (single/repeated exposure). SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons. TWA/OEL – Time Weighted Average/Occupational Exposure limit.</p>
Literature References:	<p>Australian Code for the Transport of Dangerous Goods by Road & Rail – Ed.7.7, 2020. Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice. July 2020 – Safe Work Australia. Global Harmonized System of Classification and Labelling of Chemicals (GHS). Seventh revised edition. Standard for the Uniform Scheduling of Medicines and Poisons. June 2021. Safety Data Sheets for individual raw materials – all suppliers.</p>
Revision History:	<p>Rev 1.1 – 6.11.19 Correction Section 3 table. Rev 1.2 Extension for GHS7 transition. Rev 2.0 GHS7 Compliance.</p>
Prepared By:	Mountain Cleaning Products Regulatory Service.

END OF SDS