

Safety Data Sheet

Chlorfoam Mountain Cleaning Products

Issue Date: December 2021

Valid to: December 2026


SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

| | |
|------------------------|---|
| Trade Name: | Chlorfoam |
| Synonyms: | NA |
| Chemical Formula: | NA |
| CAS Number: | NA |
| Product Uses: | Sanitising, disinfecting and bleaching degreasing cleaner |
| Supplier/Manufacturer: | Mountain Cleaning Products |
| Address: | 173 Wilson St, South Lismore, NSW 2480 |
| Telephone: | 02 6622 8733 |
| Email: | support@mountaincleaning.com.au |
| Website: | www.mountaincleaning.com.au |
| Emergency Telephone: | 13 11 26 (Poisons Information Centre) |

SECTION 2: HAZARD(S) IDENTIFICATION

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

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| 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 this is the intended use. |

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| | <p>P280 Wear protective gloves/ eye protection.</p> <p>Response P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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. 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 (13 11 26) or doctor. P321 Specific treatment, see First Aid Measures on this Safety Data Sheet. P390: Absorb spillage to prevent material damage. P391: Collect spillage.</p> |
| Storage: | <p>P405 Store locked up. 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% | H290 + H314 + H400 |
| Potassium hydroxide | 1310-58-3 | <10% | H290 + H314 |
| Sodium metasilicate pentahydrate | 10213-79-3 | < 1% | Below concentration cut off |
| Other ingredients determined to be non hazardous or below concentration cut offs | | < 10% | |

SECTION 4: FIRST AID MEASURES

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| First Aid Facilities: | Normal washroom facilities. Safety shower and emergency eye wash. |
| Eye Contact: | Immediately irrigate with copious quantities of water for at least 30 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist) if there are ongoing symptoms. |
| 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. If conscious, rinse mouth thoroughly with water and 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 for chemical burns. 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

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| Fire and Explosion Hazard: | Not combustible. May evolve toxic gas (chlorine) when heated to decomposition. Can react with metals to produce flammable hydrogen gas. |
| 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). |

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| Fire Fighting: | Keep containers exposed to extreme heat cool with fine water spray. Evacuate area and move upwind from fire. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. |
| Flash Point: | None. |
| Hazchem Code: | 2R |

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

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| 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

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OCCUPATIONAL EXPOSURE LIMITS: None established for this product.

| Ingredient | TWA | STEL | Notes |
|---------------------|--------------|---------|-------|
| Sodium hypochlorite | 1ppm- 3mg/m3 | Not set | |
| Potassium hydroxide | 2mg/m3 | | |

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| Personal Protection: | Overalls, chemical goggles or face shield, gloves (LONG). Possibly apron and rubber boots. |
| Engineering Controls: | Ensure ventilation is adequate. Avoid generating mists of the product. Ensure airflow, where this product is used, is directed away from the operators. Where an inhalation risk exists, mechanical extraction ventilation is recommended to maintain vapour levels below recommended exposure standard. For short elevated exposures e.g. spillages, appropriate respirator as per AS/NZS 1715 and 1716. |
| 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 respirator that meets AS/NZS 1715 and AS/NZS 1716. |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance: | Clear pale yellow liquid |
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| Odour: | Faint chlorine odour | Vapour Pressure: | Not available |
| Odour Threshold: | Not available | Vapour Density: | Not available |
| pH: | >13.0 neat | Relative Density (Water=1): | 1.1-1.2 @ 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 |

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| Evaporation Rate: | Not available | Decomposition Temperature | Not available |
| Flammability: | Not flammable | Viscosity | Non viscous |
| Upper/Lower Flammability: | Not relevant | | |

SECTION 10: STABILITY AND REACTIVITY

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| Reactivity: | Contamination of product and exposure to heat and light will accelerate decomposition. May evolve chlorine gas when heated to decomposition. |
| Chemical Stability: | Stable under recommended conditions of storage. Reacts slowly with ambient air (particularly carbon dioxide), which may cause insoluble solids to form in solution. |
| Possibility of Hazardous Reactions: | Reacts exothermically with acids to produce poisonous chlorine gas. Decomposes on heating to produce toxic gases carbon monoxide, carbon dioxide and 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. Reacts vigorously with acids. Avoid metal containers. |
| Incompatible Materials: | Acids, metals, metal salts, organic materials (e.g. peroxides), reducing agents (e.g. amines), EDTA. |

SECTION 11: TOXICOLOGICAL INFORMATION

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| Inhaled: | Breathing in mists or aerosols may produce respiratory irritation, coughing, nausea and headache. High concentration may cause harmful corrosive effects leading to lesions of the nasal septum, pulmonary oedema and other respiratory conditions. |
| Skin Contact: | Corrosive to skin. May result in skin burns or irritation, redness, pain, rash and dermatitis. Corrosion will continue until removed and severity depends on concentration and duration of exposure. Burns are not immediately painful; onset of pain may be minutes to hours. |

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| Eye Contact: | Corrosive to eyes. Contact can cause corneal burns and permanent eye damage may occur. High concentrations of vapours will cause irritation. |
| Ingestion: | Swallowing can result in nausea, vomiting of blood and eroded tissue, diarrhoea, abdominal pain and chemical burns to the mouth, throat and gastrointestinal tract. |
| Acute Toxicity: | No LD50 data available for this product. For main active constituent, sodium hypochlorite (at 12-13%): Oral LD50 (mice) - 5800mg/kg Oral TDLo (woman) - 1gm/kg For active constituent, potassium hydroxide (at 100%): Oral LD50 (rat) - 333mg/kg |
| Chronic: | No information available. |

SECTION 12: ECOLOGICAL INFORMATION

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| Ecotoxicity: | Acute aquatic toxicity (Category 1). Very toxic to aquatic life. Avoid contaminating waterways. No LC50 data for this product. For main active constituent, sodium hypochlorite (at 12-13%): LC50 (rainbow trout) – 0.18-0.22mg/l – 96h. LC50 (fish) - 0.07-5.9 mg/l – 48h. |
| Persistence and Degradability: | Biodegradable to salt and oxygen. |
| Bioaccumulative Potential: | None known. Highly water-soluble. |
| Mobility in Soil: | May leach to ground water with resultant toxicity to aquatic organisms. |
| Other Adverse Affects: | None known. |

SECTION 13: DISPOSAL CONSIDERATIONS

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| 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

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| ADG Code Classification: | Dangerous Goods. |
| UN No.: | 1719 |
| Proper Shipping Name: | CAUSTIC ALKALI LIQUID, N.O.S. |
| Transport Hazard Class: | 8 – Corrosive  |
| Packing Group: | III |
| Hazchem Code: | 2R |
| Environmental Hazards for Transport: | Harmful to aquatic life. |

SECTION 15: REGULATORY INFORMATION

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| SUSMP (Poison Schedule): | S6 Poison. |
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SECTION 16: OTHER INFORMATION

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| 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. 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/m ³ – 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. |
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| | TWA/OEL – Time Weighted Average/Occupational Exposure limit. |
| Literature References: | 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. |
| Revision History: | V 1.0 Initial SDS for GHS compliance. Rev 1.1 Extension for GHS7 transition. Rev 2.0 GHS7 Compliance. |
| Prepared By: | Mountain Cleaning Products Regulatory Service. |

END OF SDS