

Safety Data Sheet

Tydie Amenities Descaler Mountain Cleaning Products

Issue Date: March 2023

Valid to: March 2028


SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

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|------------------------|---|
| Trade Name: | Tydie Amenities Descaler |
| Synonyms: | NA |
| Chemical Formula: | NA |
| CAS Number: | NA |
| Product Uses: | Heavy-duty cleaner sanitiser and scale remover for amenities. |
| 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: | Eye damage (Category 1) |
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LABELLING ELEMENTS:

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| Signal Word: | Danger |
| Pictogram(s): |  Corrosive (to eyes) |
| Hazard Statement(s): | H318 Causes serious eye damage. |
| Precautionary Statement(s): | Prevention P280 Wear protective gloves /eye 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 CENTRE (13 11 26) or doctor. |
| Storage: | |
| Disposal: | |
| SUSMP (Poison Schedule): | S6 Poison |

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SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

| Ingredients | CAS No.s | Percentage (w/w) | Classification |
|--|-----------|------------------|------------------------------|
| Water | 7732-18-5 | > 60% | |
| Sulphamic acid | 5329-14-6 | < 10% | Below concentration cut off. |
| Oxalic acid | 6153-56-6 | < 10% | H302 + H312 |
| Hydrochloric acid | 7647-01-0 | < 10% | 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. Remove contact lenses if possible to do so, as contact lenses (especially soft lenses) can concentrate irritants. Seek medical advice (e.g. doctor or ophthalmologist). |
| Skin Contact: | Remove contaminated clothing. Wash affected skin with plenty of soap and water. Seek medical advice if irritation, burning or redness develops. |
| 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 medical attention if necessary. |
| 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. |

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| Advice to Doctor: | No specific antidote. Treat symptomatically for strong acid liquid. 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: | Non-combustible. However if involved in a fire will emit toxic fumes. Can react with metals to produce flammable hydrogen gas. |
| Extinguishing Media: | If material is involved in a fire use fine water spray, normal foam or dry agent extinguisher (carbon dioxide or 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. Evacuate area and move upwind of fire. |
| Flash Point: | None. |
| Hazchem Code: | None. |

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 due to pH effect. Wear appropriate protective equipment (see section 8) to prevent skin and eye contamination. 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 excess water and then consider neutralisation with SODA ASH. If contamination of sewers or |

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| | 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. Do not eat, drink or smoke when handling product. Keep out of reach of children. Always wash hands with soap and water after handling. |
| Storage: | Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (see Section 10). Keep containers closed at all times when not in use. Check regularly for leaks or damage. |

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS: None established for this product.

| Ingredient | TWA | STEL | DNEL |
|-------------------|------|------|---|
| Sulphamic acid | | | Inhalation – 7.5mg/m ³ , 8h |
| Oxalic acid | | | Inhalation – 4.03mg/m ³ |
| Hydrochloric acid | 5ppm | | |

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| Personal Protection: | Safety glasses or chemical goggles and rubber gloves under normal conditions of use. Also apron and safety footwear where contamination is likely. |
| Engineering Controls: | Ensure ventilation is adequate. Avoid generating mists of the product. Ensure airflow is directed away from operators. |
| Eye and Face Protection: | Safety glasses or chemical goggles. |
| Hand and Skin Protection: | Wear impervious PVC or rubber gloves (long) to dispense. |

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| | When using large quantities or where heavy contamination is likely, wear coveralls and footwear that provides protection against acids. |
| Inhalation Protection: | Not normally required under normal use conditions. Where a mist or vapour inhalation risk exists wear a full-face piece respirator with organic cartridge. Warning: Air purifying respirators do not protect workers in oxygen-deficient conditions. In unknown conditions use positive pressure with full face piece SCBA (self contained breathing apparatus) or SAR (supplied air respirator with auxiliary SCBA in line with AS/NZS 1715 and 1716). |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance: | Blue liquid |
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| Odour: | Acidic | Vapour Pressure: | Not available |
| Odour Threshold: | Not available | Relative Vapour Density: | Not available |
| pH: | < 2.0 neat | Relative Density (Water=1): | 1.0-1.2 at 25 °C |
| Melting Point: | Approx. 0 °C | Water Solubility: | Miscible in all portions |
| Boiling Point: | Approx. 100 °C | Partition Coefficient n-Octanol/Water | Not available |
| Flash Point: | Not flammable | Auto-ignition Temperature | Not available |
| Evaporation Rate: | Not available | Decomposition Temperature | Not available |
| Flammability: | Not flammable | Viscosity | Viscous |
| Upper/Lower Flammability: | None | | |

SECTION 10: STABILITY AND REACTIVITY

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| Reactivity: | Reacts violently with bases, generating heat and pressure. Attacks many reactive metals (aluminium, zinc alloys, |
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| | magnesium), releasing highly flammable hydrogen gas, which can be a fire and explosion hazard. |
| Chemical Stability: | Stable under normal conditions of storage and handling. |
| Possibility of Hazardous Reactions: | Can decompose on combustion to form hazardous vapours, including carbon monoxide and carbon dioxide. |
| Conditions to Avoid: | Avoid contact with alkalis, as violent reaction can occur, yielding heat and pressure, which can burst a closed container. |
| Incompatible Materials: | Alkalis, metals salts, oxidisers and reducing agents. |

SECTION 11: TOXICOLOGICAL INFORMATION

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| Inhaled: | Breathing in vapours may result in cough, shortness of breath and irritation in the respiratory tract. |
| Skin Contact: | May cause inflammation, itching, scaling or reddening. |
| Eye Contact: | Corrosive to eyes. Contact can cause redness, watering, itching and pain and can result in corneal burns and severe and permanent eye damage. |
| Ingestion: | Swallowing can result irritations of the mucous membranes in the mouth, oesophagus and gastrointestinal tract. May also result in an aspiration hazard. |
| Acute Toxicity: | No LD50 data available for this product. For active constituent, sulphamic acid (at 100%): Oral LD50 (rat) - 3160mg/kg For active constituent, oxalic acid (at 100%): Oral LD50 (rat) > 375mg/kg For active constituent, hydrochloric acid (at 30%): Oral LD50 (rat) - 900mg/kg |
| Chronic: | No information available. |

SECTION 12: ECOLOGICAL INFORMATION

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| Ecotoxicity: | No data available for this product. For active constituent, sulphamic acid (at 100%): LC50 (Pimephales promelas (fathead minnow)) – 70.3mg/litre - 96 h. Long term effect: LC50 (Japanese barbell fish) – ammonium sulfamate – 630mg/litre – 10d. |
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| | For active constituent, oxalic acid (at 100%): LC50 fish - 160mg/litre – 96h. For active constituent, hydrochloric acid (at 32%): LC50 fish (Mosquito fish, female) - 282mg/litre – 24h. |
| Persistence and Degradability: | Individual components stated to be biodegradable. |
| Bioaccumulative Potential: | Bioaccumulation is not expected. |
| Mobility in Soil: | High. |
| 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: | Not a dangerous good. |
| UN No.: | Not applicable. |
| Proper Shipping Name: | Not applicable. |
| Transport Hazard Class: | Not applicable. |
| Packing Group: | Not applicable. |
| Hazchem Code: | Not applicable. |
| Environmental Hazards for Transport: | Consider immediate pH effect – strong acid. |

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: | <p>ADG – Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p>AICS – Australian Inventory of Chemical Substances.</p> <p>CAS No. – Chemical Abstract Service Number used to uniquely identify chemical compounds.</p> <p>GHS – Globally Harmonised System.</p> <p>HAZCHEM – An emergency action code that gives information to emergency services during transport emergencies.</p> <p>IARC – International Agency for Research on Cancer.</p> <p>LC50 – Lethal concentration to kill 50% of test population.</p> <p>LD50 – Lethal dose, to kill 50% of test population.</p> <p>Mg/m³ – Milligrams per cubic metre.</p> <p>PPM – Parts per million.</p> <p>STEL – Short Term Exposure Limit.</p> <p>STOT – SE/RE – Specific Target Organ Toxicity (single/repeated exposure).</p> <p>SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p>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.</p> <p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice. July 2020 – Safe Work Australia.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS). Seventh revised edition.</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons. October 2022.</p> <p>Safety Data Sheets for individual raw materials – all suppliers.</p> |
| Revision History: | <p>V1.0 Initial SDS for GHS compliance.</p> <p>Rev 1.1 Extension for GHS7 transition.</p> <p>Rev 1.2 Extension for GHS7 transition.</p> <p>V2.0 GHS7</p> |
| Prepared By: | Mountain Cleaning Products Regulatory Service. |

END OF SDS