

# Safety Data Sheet

## Crystal Dishwasher Descaler Powder Mountain Cleaning Products

Issue Date: December 2021  
Valid to: December 2026

### SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

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Trade Name:	Crystal Dishwasher Descaler Powder
Synonyms:	NA
Chemical Formula:	NA
CAS Number:	NA
Product Uses:	Scale remover
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:	Skin irritation (Category 2) Eye irritation (Category 2A)
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### LABELLING ELEMENTS:

Signal Word:	Warning
Pictogram(s):	 Health hazards
Hazard Statement(s):	H315 Causes skin irritation. H319 Causes serious eye irritation.
Precautionary Statement(s):	<b>Prevention</b> P264 Wash hands thoroughly after handling. P273 Avoid release to the environment (if not intended use). P280 Wear protective gloves/ eye protection/ face protection.  <b>Response</b>

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	<p>P302 + P352 IF ON SKIN (or hair): Wash with plenty of soap and water.</p> <p>P362 Take off contaminated clothing and wash before reuse.</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>P321 Specific treatment, see First Aid Measures on this Safety Data Sheet.</p> <p>P332 + P313 If skin irritation occurs: Get medical advice/attention.</p> <p>P337 + P313 If eye irritation persists: Get medical advice/attention.</p>
Storage:	No statements.
Disposal:	P501 Dispose of contents/container to an approved waste disposal plant.

### SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	CAS No.s	Percentage (w/w)	Classification
Sulphamic acid	5329-14-6	100%	H315 + H319 + H402 + H412

### SECTION 4: FIRST AID MEASURES

First Aid Facilities:	Normal washroom facilities.
Eye Contact:	Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Avoid rinse water entering uncontaminated eye. Seek medical advice (e.g. ophthalmologist) if there are ongoing symptoms.
Skin Contact:	Remove contaminated clothing. Wash affected skin with plenty of soap and water for at least 15 minutes. 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

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	and have qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once with aid of a pocket mask equipped with a one-way valve or other proper device. Do NOT use mouth-to-mouth method. Seek medical attention.
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 and lean patient forward or place on left side (head down if possible) to maintain an open airway and prevent aspiration. Seek medical advice.
Advice to Doctor:	Symptoms of poisoning may develop over several hours, so monitor for at least 48 hours. Look for symptoms including irritation to skin, eyes or lungs. Symptoms may include abdominal pain, vomiting, diarrhoea, drop in blood pressure, burning sensation, shock. 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. Ambient fire may liberate hazardous vapours: ammonia (NH <sub>3</sub> ); nitrous oxides (NO <sub>x</sub> ) and sulfur oxides (SO <sub>x</sub> ). Keep away from alkali, cyanides, oxidising agents. Reacts violently with chlorine and fuming nitric acid, causing an explosion hazard.
Extinguishing Media:	Use an extinguishing media suitable for surrounding fire conditions.
Fire Fighting:	Evacuate area and move upwind of fire. Keep out of low areas. Eliminate ignition sources. Moved exposed containers out of fire area if safe to do so, or keep containers exposed to heat cool with water spray. Do NOT allow contaminated fire-fighting water to reach waterways. Fire fighters are to wear self-

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	contained breathing apparatus and protective fire fighting clothing, or chemical splash suit.
Flash Point:	No data available.
Hazchem Code:	2X.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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Minor Spills:	Collect spills, avoiding generation of dust.
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. 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. Consider neutralisation with SODA ASH. 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. 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

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### OCCUPATIONAL EXPOSURE LIMITS:

Ingredient	TWA	STEL	DNEL
Sulphamic acid			Inhalation – 7.5mg/m <sup>3</sup> , 8h

Personal Protection:	Chemical goggles or safety glasses and rubber gloves under normal conditions of use. Also long sleeved coveralls and safety footwear where contamination is likely.
Engineering Controls:	Ensure ventilation is adequate. Avoid generating dust. Ensure airflow is directed away from operators.
Eye and Face Protection:	Chemical goggles or safety glasses.
Hand and Skin Protection:	Wear impervious PVC or rubber gloves (long) to dispense. When using large quantities or where heavy contamination is likely, wear coveralls and footwear that provides protection against acids/alkalis.
Inhalation Protection:	Not normally required under normal use conditions. Where a dust inhalation risk exists wear a filter/apparatus type P2 that meets AS/NZS 1715 and AS/NZS 1716.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White crystalline powder
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Odour:	Odourless	Vapour Pressure:	0.0078 hPa
Odour Threshold:	Not available	Relative Vapour Density:	3.35
pH:	1.18 at 1% solution	Relative Density (Water=1):	Not available
Melting Point:	205 °C	Water Solubility:	213g/litre at 20 °C
Boiling Point:	Decomposes	Partition Coefficient n-Octanol/Water	Not available
Flash Point:	Not available	Auto-ignition Temperature	Not available

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Evaporation Rate:	Not available	Decomposition Temperature	>= 205 °C
Flammability:	Not flammable	Viscosity	Not available
Upper/Lower Flammability:	Not available		

### SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Reacts violently with bases and is corrosive. Reacts violently with chlorine and fuming nitric acid causing an explosion hazard. Reacts with alkali; amines; ammonia; chlorine; hydrochloric acid; sulphuric acid; oxidising agents; nitrogen oxides
Chemical Stability:	Stable under normal conditions of storage and handling. Slow hydrolysis to ammonium bisulfate. Decomposes at and above 205 °C.
Possibility of Hazardous Reactions:	Can decompose on combustion to form hazardous vapours, ammonia (NH <sub>3</sub> ); nitrous oxides (NO <sub>x</sub> ) and sulphur oxides (SO <sub>x</sub> ).
Conditions to Avoid:	Strong heating.
Incompatible Materials:	Strong oxidisers, halogens, strong bases and metals with water.

### SECTION 11: TOXICOLOGICAL INFORMATION

Inhaled:	Dust is corrosive. Breathing in dusts may result in cough, shortness of breath and irritation in the respiratory tract. This may also lead to pulmonary oedema, lung irritation and oesophagogastric injuries.
Skin Contact:	Irritating to skin. May cause inflammation (itching, scaling, reddening). Aerosol is corrosive to skin.
Eye Contact:	Irritating to eyes. Contact can cause redness, watering, itching and pain and can possibly result in corneal damage. Aerosol is corrosive to eyes.
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:	Oral LD50 (rat) - 3160mg/kg
Chronic:	No information available.

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### SECTION 12: ECOLOGICAL INFORMATION

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Ecotoxicity:	Acute aquatic toxicity (Category 3). Chronic aquatic toxicity (Category 3). Harmful to aquatic life with long lasting effects. LC50 (Pimephales promelas (fathead minnow)) – 70.3mg/litre - 96 h. Long term effect: LC50 (Japanese barbell fish) – ammonium sulfamate – 630mg/litre – 10d. NOEC (Rainbow trout) - ammonium sulfamate – 30mg/litre – 7wk.  Avoid contaminating waterways. Acute toxicity due to pH effects.
Persistence and Degradability:	Persistent.
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:	Dangerous Goods.
UN No.:	2967
Proper Shipping Name:	SULPHAMIC ACID
Transport Hazard Class:	8 – Corrosive

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Packing Group:	III
Hazchem Code:	2X
Environmental Hazards for Transport:	Aquatoxicity.

### 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/m<sup>3</sup> – 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 &amp; Rail – Ed.7.7, 2020.</p> <p>Preparation of Safety Data Sheets for Hazardous Chemicals –</p>



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	<p>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>V1.0 Initial SDS for GHS compliance. Rev 1.1 Extension for GHS7 transition. Rev 2.0 GHS7 Compliance.</p>
Prepared By:	<p>Mountain Cleaning Products Regulatory Service.</p>

**END OF SDS**