

Safety Data Sheet

Wonderflush Urinal Blocks Mountain Cleaning Products

Issue Date: March 2023

Valid to: March 2028


SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

Trade Name:	Wonderflush Urinal Blocks
Synonyms:	NA
Chemical Formula:	NA
CAS Number:	NA
Product Uses:	Sanitising and deodorising urinals.
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 AH Telephone:	13 11 26 in Australia

SECTION 2: HAZARD (S) IDENTIFICATION

GHS Classification:	Oxidizing solids (Category 3) Acute toxicity, Oral (Category 4) Serious eye damage (Category 1) Reproductive toxicity (Category 1B) Specific target organ toxicity - single exposure (Category 3)
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LABELLING ELEMENTS:

Signal Word:	Danger
Pictogram(s):	
Hazard Statements(s):	H272 May intensify fire; oxidiser. H302 Harmful if swallowed. H318 Causes serious eye damage. H335 May cause respiratory irritation. H360 May damage the unborn child. Suspected of damaging fertility.
Precautionary Statement(s):	Prevention P201 Obtain special instructions before use.

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	<p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P210 Keep away from heat.</p> <p>P220 Keep/Store away from clothing/ combustible materials.</p> <p>P221 Take any precaution to avoid mixing with combustibles.</p> <p>P261 Avoid breathing dust.</p> <p>P264 Wash skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ eye protection.</p> <p>Response</p> <p>P301 + P312 IF SWALLOWED: Call Poison Information Centre (13 11 26) or a doctor if you feel unwell.</p> <p>P330 Rinse mouth.</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>P370 + P378 In case of fire: Use water (flood) to extinguish.</p>
Storage:	<p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</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)
Sodium perborate tetrahydrate	10486-00-7	>60%
Ingredients determined to be non-hazardous		<10%

SECTION 4: FIRST AID MEASURES

First Aid Facilities:	Normal washroom facilities
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Eye Contact:	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Remove contact lenses if possible to do so, as contact lenses (especially soft lenses) can concentrate irritants. Prevent flushing fluid from reaching uncontaminated eye. Seek medical advice (e.g. ophthalmologist) if there are ongoing symptoms.
Skin Contact:	Immediately wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek medical if irritation, burning or redness occurs and persists.
Inhalation:	Remove victim to fresh air away from exposure. Seek medical attention if symptoms occur.
Ingestion:	Do NOT induce vomiting. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice immediately. If quantity ingested is significant, transport to hospital.
Advice to Doctor:	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. Will accelerate burning when involved in a fire. Oxidiser. Oxygen released on exothermic decomposition may support combustion in case of surrounding fire. Pressure burst may occur due to decomposition in confined spaces/containers.
Extinguishing Media:	Small fire - Use flooding quantities of water. DO NOT use dry chemical, CO2 or foam. If safe to do so, move undamaged containers from the fire area. DO NOT move cargo if cargo has been exposed to heat. Large fire - Flood fire area with water from a protected position. Cool containers with flooding quantities of water until well after the fire is out. If possible, withdraw from area and let

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	it burn. Dam fire control water for later disposal.
Fire Fighting:	Keep containers, exposed to extreme heat, cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition.
Flash Point:	None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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. Prevent spillage from entering drains or watercourses. Wear appropriate protective equipment (see section 8) to prevent skin and eye contamination and inhalation of dusts. Collect the product with suitable means (shovel or sweep) avoiding dust formation and put into appropriately labelled drums for disposal by an approved agent according to local conditions. Flush spill area with water. Residual deposits will remain slippery. 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 contact with incompatible materials (see Section 10). When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.
Storage:	Store in a cool, dry, place with good ventilation. Store in original containers; avoid storing in aluminium and light alloy containers. Store away from incompatible materials (see Section 10). Keep containers closed at all times.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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OCCUPATIONAL EXPOSURE LIMITS:

Ingredient	TWA	STEL	Peak	Notes
Sodium perborate tetrahydrate	Not set	Not set		None available

Personal Protection:	  	Use good occupational work practice. The use of protective clothing depends on the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling, engineering controls and according to risk assessments.
Eye and Face Protection:		Not required to dispense sanitising/deodorising tablets as per label directions. The use of safety glasses with side shield protection is recommended to handle in quantity, cleaning up spills. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.
Hand and Skin Protection:		Wear impervious gloves to dispense. Wear normal work clothes, boots and impervious gloves (as per AS/NZS 2161) to handle in quantity, cleaning up spills.
Inhalation Protection:		Not required to dispense tablets as per label directions. Wear a particulate dust mask to handle in quantity, cleaning up spills.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid, cylindrical pale green pressed powder block
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Odour:	Fragrant	Vapour Pressure:	Not available
Odour Threshold:	Not available	Vapour Density:	Not available
pH:	9.5-10 in 1% solution	Relative Density (Water=1):	1.0-1.02 @ 25 °C
Melting/Freezing Point:	Not available	Water Solubility:	23 g/L @ 20 °C
Boiling Point:	63 °C (decomposes)	Partition Coefficient n-Octanol/Water:	Not available

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Flash Point:	Not flammable	Auto-ignition Temperature:	Not available
Evaporation Rate:	Not available	Decomposition Temperature:	Not available
Flammability:	None	Viscosity:	Solid
Upper/Lower Flammability:	None		

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Product can decompose on combustion to form steam and heat.
Chemical Stability:	Stable when kept cool and dry, but decomposes with liberation of oxygen in water or warm/moist air; sensitive to moisture.
Possibility of Hazardous Reactions:	None known.
Conditions to Avoid:	Avoid moisture and combustible materials.
Incompatible Materials:	Acids, alkalis, reducing agents, oxidising agents, rust, (transition) metals and their compounds (such as iron, copper, brass, bronze, cobalt, nickel, lead), as well as organic and combustible materials and water, unless using for intended purpose.

SECTION 11: TOXICOLOGICAL INFORMATION

Target Organs:	Skin, eyes, mucous membranes
Inhaled:	No dust generally associated with tablet form of the product. Exposure to generated dusts of this product may cause slight nose and throat irritation.
Skin Contact:	Skin contact with this product may cause slight irritation.
Eye Contact:	No dust generally associated with tablet form of the product. Dust may be irritating to eyes. May cause redness, discomfort, tearing, blurry vision, pain and corneal ulceration if contact time is extended.
Ingestion:	Harmful if swallowed. May cause vomiting, diarrhea, stomach ache, skin rash, yellow discolouration of skin, lethargy, fever, twitching of facial muscles and extremities, convulsions, fall in

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	blood pressure, collapse, unconsciousness. Ingestion may result in gastrointestinal bleeding. Unexpelled materials may lead to stomach distension due to evolution of oxygen gas as the product is decomposed in the stomach.
Toxicity:	Not toxic by calculation. No LD50 available for this product.

For active constituent sodium perborate tetrahydrate (at 100%)	
Irritation Data:	Eye irritation (Std Draize, rabbit): 50 mg – moderate. Skin LD50 Rabbit: >2000mg/Kg Skin Irritation: Not irritating to rabbit skin (literature) Eye Irritation: Highly irritating to rabbit eyes (literature)
Toxicity Data:	LDL0 oral (human): 214 mg/kg LD50 (rats): 2240 mg/kg LD50 oral (rat): 1200 mg/kg OECD Guideline 406 (Sodium Perborate Monohydrate) Repeated Dose Tox: Oral Rat 28 days NOEL: <1000mg/Kg Irritation of the stomach mucous membrane, changes of parameters of the blood.
Local Effects:	Irritant: inhalation, skin, eye.
Target Organs:	Skin, eyes, mucous membranes.
Sensitisation Data:	Sensitization: Not sensitizing to guinea-pigs skin
Reproductive Effects:	Conclusion by ECB: In a study on developmental effects of sodium perborate tetrahydrate according to OECD Guideline 414, 100 mg/kg bw/d of sodium perborate tetrahydrate was regarded by the authors of the study as the NOAEL for both maternal and developmental toxicity (Bussi,1995, Bussi et al., 1996). The Specialised Experts (ECB, 2004) agreed that the developmental effects of sodium perborate in one rat study (Bussi, 1995), which are not a consequence of general systemic toxicity, warrant classification as Repr. Cat 2; R61: May cause harm to the unborn child. The majority of the Specialised Experts assessed the boric acid data supportive to this classification. 100 mg/kg bw/day (7 mg B/kg bw/day) is considered a NOAEL for developmental effects for perborates.

SECTION 12: ECOLOGICAL INFORMATION

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Fish Toxicity:	Not toxic to the aquatic environment by calculation. <i>Leuciscus idus</i> LC50: 175 mg/l/48 h. <i>Daphnia magna</i> EC50: 133-226 mg/l/48 h.
Algae Toxicity:	No data available.
Invertebrates Toxicity:	No data available.
Toxicity to Bacteria:	None available.
OECD Biological Degradation:	Readily biodegradable. 2 days, 85% (OECD TG 301 A) (Sodium Perborate Monohydrate). The product can be degraded by abiotic (chemical or photolytic) processes. Under ambient conditions quick hydrolysis, reduction or decomposition occurs. The following substances are formed; sodium borate and hydrogen peroxide. Hydrogen peroxide quickly decomposes to oxygen and water.
General:	No single ingredient (over 1%) is recognised as an environmental pollutant. Product miscible in all proportions with water. AS WITH ANY CHEMICAL, DO NOT DISCHARGE BULK QUANTITIES INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.

SECTION 13: DISPOSAL CONSIDERATIONS

	Refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. Do not put down the drain in large quantities. Basic solution – neutralise before disposal if large volumes, otherwise dilute with large volumes of water.
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SECTION 14: TRANSPORT INFORMATION

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	Not applicable.

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for Transport:

SECTION 15: REGULATORY INFORMATION

SUSMP: Not scheduled.

SECTION 16: OTHER INFORMATION

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>

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Revision History:	V1.0 Initial SDS for GHS compliance. Rev 1.1 Extension for GHS7 transition. Rev 1.2 Extension for GHS7 transition. V2.0 GHS7
Prepared By:	Mountain Cleaning Products Regulatory Service.

END OF SDS