



MATERIAL SAFETY DATA SHEET: PEROXETAB

Date of Issue:
June 2024

Section 1: Statement of Chemical Product and Company Identification

Trade Name:	Aquatemp Environmental Solutions Pty Ltd
Supplier Address:	18 Park Cove Blvd, Hope Island, Qld 4212
Telephone Number:	(07) 5502 3248
AH Emergency Telephone:	1800 999 010
Fax Number:	(07) 5561 8107
Substance:	Cleaning Tablets
Product Use:	Treatment Tablet for Urinal, Cistern, Drains, Vents
Creation Date:	9th June 2024
Revision Date:	February 2029
Product Code:	PEROXETAB

Section 2: Hazards Identification

- This product is classified as HAZARDOUS (Irritant) according to criteria of the National Occupational Health and Safety Commission Australia.
- This product is NOT classified as Dangerous Goods according to the Australian Dangerous Goods (ADG) Code.
- This product is NOT classified as a Scheduled Poison according to the SUSDP.

Approved Criteria:	Xi – Irritant R36 – Irritating to eyes
Classification:	S25 - Avoid contact with eyes S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
UN Number:	None allocated
Shipping Name:	None allocated
Hazchem Code:	None allocated
ADG Classification:	None allocated
ADG Subsidiary Risk:	None allocated
Packing Group:	None allocated
SUSDP Classification:	Not scheduled

Emergency Overview

Colour:	White Tablet
Physical Description:	Solid block
Major Health Hazards:	None known



Odour:	Nil
Viscosity:	Solid

Section 3: Composition / Information on Ingredients

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication "List of Designated Hazardous Substances" or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication "Approved Criteria for Classifying Hazardous Substances".

Ingredients	CAS No.	Proportion	Exposure Standards TWA	Exposure Standards STEL
Ingredients considered non-hazardous according to criteria of Work safe Australia	10486-00-7	>60% w/w	Not set	Not set
Ingredients determined to be non-hazardous	Various	< 10% w/w	Not set	Not set

The **TWA** exposure value is the Time Weighted Average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.

The **STEL** (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4: First Aid Measures

Scheduled Poisons:	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 03 474 7000).
First Aid Facilities Inhalation:	Normal washroom facilities.
Eye Contact:	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. 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 advice (e.g. doctor) if irritation, burning or redness persists.
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 (e.g. doctor) immediately. If quantity is significant transport to hospital.



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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.
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Section 5: Fire Fighting Measures

Fire and Explosion Hazards:	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 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

Occupational Release:	Minor spills do not normally need any special clean-up measures. Simply sweep up residues and rinse with water. In the event of a major spill (transport accident/bulk spill), prevent spillage from entering drains or water courses. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination and inhalation of dusts. Collect the product with suitable means (shovel or sweep) avoiding dust formation, which then can be 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.
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Section 7: Handling and Storage

Handling:	Avoid contact with incompatible materials. 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. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks.



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Section 8: Exposure Controls / Personal Protection

Exposure Limits:	National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission: <ul style="list-style-type: none">▪ Time-weighted Average (TWA): None established for specific product.▪ See SECTION 3 for Exposure Limits of individual ingredients.▪ Short Term Exposure Limit (STEL): None established for specific product.▪ See SECTION 3 for Exposure Limits of individual ingredients.
Ventilation:	Ensure ventilation is adequate to maintain air concentrations below exposure standards.
Personal Protective Equipment:	This product is a low hazard deodorant block. Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available;
Eye Protection:	Not required to dispense deodorant tablets as per label directions. The use of safety glasses with side shield protection is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.
Skin Protection:	Not required for product application as per label directions. Wear normal work clothes, boots and impervious gloves (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.
Protective Material Types:	Material suitable for alkali detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.
Respirator:	Not required for product application as per label directions. Wear a particulate dust mask to handle in quantity, cleaning up spills, decanting, etc.

Section 9: Physical and Chemical Properties

Physical State:	Solid cylindrical block	Colour:	White
Odour:	Nil	Specific Gravity:	1.0 – 1.02 at 25°C
Boiling Point:	63°C (decomposes)	Freezing Point:	Not available
Vapour Pressure:	Not available	Vapour Density:	Not available
Flash Point:	Not flammable	Flammable Limits:	None
Water Solubility:	23 g/L at 20°C	pH:	9.5 – 10.0 in 1% solution
Volatile Organic Compounds (VOC):	0% v/v	Coefficient of Water/Oil Distribution:	Not available
Viscosity:	Solid	Odour Threshold:	Not available
Evaporation Rate:	Not available	Per Cent Volatile:	Ca 5% v/v



Section 10: Stability and Reactivity

Chemical Stability:	Stable when kept cool and dry, but decomposes with liberation of oxygen in warm or moist air, sensitive to moisture.
Conditions to Avoid:	Acids, alkalis, reducing agents, oxidizing 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.
Hazardous Decomposition:	Product can decompose on combustion to form steam and heat.
Hazardous Reaction:	None.

Section 11: Toxicological Information

Local Effects:	Irritant: skin, eye, inhalation (of dusts) and ingestion.
Target Organs:	Skin, eyes, mucous membranes.

Potential Health Problems

Inhalation

Short Term Exposure:	No dust generally associated with tablet form of the product. Exposure to generated dusts of this product may cause slight nose and throat irritation.
Long Term Exposure:	No dust generally associated with tablet form of the product. In case of repeated or prolonged term exposure to generated dust, risk of sore throat, nose bleeds, bronchitis.

Skin Contact

Short Term Exposure:	Skin contact with this product may cause slight irritation.
Long Term Exposure:	Prolonged skin contact with this product containing ingredient alkaline salts may induce eczematoid dermatitis.

Eye Contact

Short Term Exposure:	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.
Long Term Exposure:	Not known.

Ingestion

Short Term Exposure:	Harmful if swallowed. May cause vomiting, diarrhea, stomach ache, skin rash, yellow discoloration of skin, lethargy, fever, twitching of facial muscles and extremities, convulsions, fall in blood pressure, collapse, unconsciousness. Ingestion may result in gastrointestinal bleeding. Un expelled materials may lead to stomach distension due to evolution of oxygen gas as the product is decomposed in the stomach.
Long Term Exposure:	Prolonged absorption may cause anorexia, weight loss, vomiting, and anemia.



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Carcinogen Status

NOHSC	No significant ingredient is classified as carcinogenic by NOHSC.
NTP	No significant ingredient is classified as carcinogenic by NTP.
IARC	No significant ingredient is classified as carcinogenic by IARC.

Individual Ingredient Information

NOTE: This information relates to each individual ingredient, when evaluated as pure undiluted chemical. See Section 3 for actual proportions present in this product.

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Ingredients	R-Phrases
Sodium Perborate Tetra Hydrate	R36 – Irritating to eyes

100% Sodium perborate tetra hydrate:	
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, eyes
Target Organs:	Skin, eyes, mucous membranes
Sensitisation Data:	Sensitization: Not sensitizing to guinea-pigs skin
Reproductive Effects:	Gentotoxicity: Micro-organisms, cell cultures, In the presence of metabolic systems no mutagenic effects were observed.

Section 12: Ecological Information

Fish Toxicity:	Leuciscus idus LC50: 175 mg/l/48 h. Daphnia magna EC50: 133-226 mg/l/48 h.
Algae Toxicity:	None available.
Invertebrates Toxicity:	None available.
Toxicity To Bacteria:	None available.



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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%) recognised as 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.

Section 14: Transport Information

UN Number:	None allocated
Shipping Name:	None allocated
Hazchem Code:	None allocated
Packaging Method:	None allocated
Segregation:	None allocated

ADG Classification:	None allocated
ADG Subsidiary Risk:	None allocated
Packing Group:	None allocated
Special Provisions:	None allocated

Section 15: Regulatory Information

AICS:	All ingredients present on AICS.
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Labelling Details

Hazard:	Xi	Irritant
	R36	Irritating to eyes
	S25	Avoid contact with eyes
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SUSDP:	Not scheduled
ADG Code:	None allocated

Section 16: Additional Information

Acronyms:	SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons
	ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
	CAS Number	Chemical Abstracts Service Registry Number
	UN Number	United Nations Number
	R-Phrases	Risk Phrases
	HAZCHEM	An emergency action code of numbers and letters which gives information to emergency services
	NOHSC	National Occupational Health and Safety Commission
	NTP	National Toxicology Program (USA)
	IARC	International Agency for Research on Cancer
	AICS	Australian Inventory of Chemical Substances
	TWA	Time Weighted Average
	STEL	Short Term Exposure Limit
Literature References:	<ul style="list-style-type: none"> ▪ List of Designated Hazardous Substances [NOHSC:10005(1999)] ▪ Australian Code For The Transport Of Dangerous Goods By Road And Rail – Sixth Edition. ▪ Standard for the Uniform Scheduling of Drugs and Poisons. ▪ National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)] ▪ Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)] ▪ Material Safety Data Sheets – individual raw materials – Suppliers. ▪ HSIS – Hazardous Substance Information System – National Worksafe Data Base 	
Revision Information:	New Issue to standard: 2nd Edition [NOHSC: 2011(2003)].	
Note:	Safety Data Sheets are updated frequently. Please ensure that you have a current copy.	
Contact Point:	Regulatory Affairs Manager	
Issue Date:	9th June 2024	
Telephone:	(07) 5502 3248	
Supersedes Issue Date:	June 2020	

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since **Aquatemp Environmental Solutions** cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.