

SAFETY DATA SHEET (SDS)

Milton antibacterial tablets

Issue date: 31-08-2021

Section 1: Product Identifier and Chemical Identity

Product Identifier	
Product Name:	Milton antibacterial tablets
Product Codes:	Milton tab
Other means of identification:	
Chemical formula, alternative names:	
Recommended use of the chemical and restrictions on use	
Recommended Use:	For laboratory use only.
Suppliers name, address and phone number	
Suppliers Name:	Southern Biological
Suppliers ABN:	94 630 703 810
Suppliers Address:	1/44 Rushdale Street Knoxfield Victoria 3180 Australia
Suppliers Phone No.:	1300 138 561
Suppliers Fax No.:	+613 9753 3896
Emergency Phone number (BH)	1300 138 561

Section 2: Hazard Identification

Classification of the Hazardous Chemical	
Hazard Category	Not classified as hazardous
Label elements	
Hazard Pictograms:	None
Signal Word:	None
Hazard Statements:	Harmful by inhalation and if swallowed Contact with acids liberates toxic gas Irritating to eyes, respiratory system and skin Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment
Precautionary Statements:	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not ingest.
Other Hazards	

Results of PBT and vPvB assessment:	PBT: Not applicable VPvB: Not applicable
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Section 3: Composition/information on ingredients

Ingredients		
Name	CAS	Proportion
Sodium dichlorisocyanurate	2893-78-9	30-60%
Adipic acid	124-04-9	13-30%
Sodium bicarbonate	144-55-8	13-30%
Sodium carbonate	497-19-8	<10%
In presence of moisture/water evolves chlorine	7782-50-5	

Section 4: First Aid Measures

General Information	
After Inhalation:	If dust is inhaled, remove person to fresh air and keep comfortable for breathing. Encourage patient to blow nose to clear breathing passages. Ask patient to rinse mouth with water but NOT to swallow. Lay patient down, keep warm and rested. If experiencing respiratory symptoms, call a doctor. Remove prostheses such as false teeth to avoid blocking airways should first aid procedures become necessary. Apply artificial respiration if not breathing. Perform CPR if necessary
After skin contact:	Wash with water and soap and rinse thoroughly. If skin irritation occurs, seek medical advice.
After eye contact:	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Transport to hospital or doctor without delay.
After swallowing:	Do not induce vomiting. Wash out mouth with water BUT DO NOT SWALLOW. Obtain emergency medical attention. Call a POISON CENTRE or doctor if you feel unwell. DO NOT INDUCE VOMITING. If vomiting occurs, lean patient forward or place on left side, head down position if possible, to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness, ie becoming unconscious.
Information for doctor:	
Most important symptoms and effects both acute and delayed:	Treat symptomatically. For ingestion, consider gastric lavage. Effects from exposure to chlorine gas include pulmonary oedema which may be delayed. Observation in hospital for 48 hours is recommended.
Indications of any immediate medical attention and special treatment needed	No further relevant information available.

Section 5: Firefighting measures

Extinguishing media	
Suitable extinguishing agents:	Water spray or fog, flooding quantities only, foam, BCF where regulations permit, dry chemical powder.
Special hazards arising for the substance or mixture:	Will not burn but increases intensity of fire. Decomposes on heating and produces toxic fumes of chlorine, phosgene and carbon dioxide. Reacts with water or steam to produce toxic and corrosive fumes
Advice for firefighters	
Protective equipment:	Do not enter the fire area without proper protective equipment including respiratory equipment.

Section 6: Accidental release measures

General Information	
Personal precautions, protective equipment and emergency procedures:	Follow personal protective equipment recommendations found in Section 8 of this SDS. Prevent the spread of any spill to minimise harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum.
Environmental precautions:	Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if spill to sewers or public waters.
Methods and material for containment and cleaning up:	Dispose of contaminating material as waste according to item 13. Ensure adequate ventilation. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.
Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on protective equipment. See Section 13 for disposal information.

Section 7: Handling and Storage

General Information	
Precautions for safe handling:	Ensure good ventilation/exhaustion at the workplace. Do not eat drink or smoke when using this product. Wash contaminated clothing before reuse.
Information about fire – and explosion protection:	No special measures required.
Conditions for safe storage, including any incompatibilities.	
Storage:	Store in cool dry area out of direct sunlight and incompatible materials. Keep containers closed when not in use. Store in suitably labelled containers.
Requirements to be met by storerooms and receptacles:	No special requirements.
Information about storage in one common storage facility:	Store away from acids, combustible materials, ammonia and reducing agents.
Further information about storage conditions:	Keep container tightly sealed. Keep out of direct sunlight. No smoking, naked lights or ignition sources.
Specific end use(s):	No further relevant information available.

Section 8: Exposure controls/personal protection.

General information			
Additional information about design of technical facilities:		No further data: see section 7	
Control parameters:			
Ingredients with limit values that require monitoring at the workplace:			
Source	Material	Peak ppm	Peak mg/m³
Australian exposure standards	Chlorine	1	3
Additional information		The lists valid during the making were used as basis.	
Exposure Controls:			
General protective and hygienic measures:		Use only in systems, processes and procedures in which effective ventilation has been provided. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with eyes.	
Respiratory protection:		Type AB-P filter of sufficient capacity	
Clothing / Foot-wear and equipment		No special requirements.	
Protection of hands:		PVC or rubber gloves	
Eye protection:		Tightly sealed goggles	
Skin protection:		Laboratory Coat	

Section 9: Physical and chemical properties

Appearance:	
Form:	Solid (tablet)
Colour:	White
Odour:	Slight chlorine odour
Odour Threshold:	0.08ppm
pH value:	Not determined
Change in Condition:	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
Flash point:	Not determined
Flammability (solid / gaseous)	Not determined
Ignition Temperature	
Decomposition temperature:	Not determined
Self-igniting:	Not determined

Danger of explosion:	Not determined
Explosion limits	
Lower:	Not determined
Upper:	Not determined
Vapour pressure:	Not determined
Density:	Not determined
General Info	
Relative density:	Not determined
Vapour density:	Not determined
Evaporation rate:	Not determined
Solubility in/ Miscibility with water:	Miscible
Partition coefficient (n-octanol/water):	Not determined
Viscosity:	Not determined
Other information:	Not determined

Section 10: Stability and reactivity

Reactivity	
General	Product is considered stable under normal handling conditions
Chemical Stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Possibility of hazardous reactions:	Contact with water liberates toxic gas Contact with acid liberates toxic gas
Conditions to avoid:	Prolonged exposure to heat
Incompatible materials:	Acids, organic materials/compounds, combustible materials, ammonia and reducing agents. Avoid storage with urea and calcium hypochlorite
Hazardous decomposition products:	Chlorine

Section 11: Toxicological information

Information on toxicological effects	
General	Acute toxicity

Primary irritant effect:	
Inhalation:	Not normally a hazard. Generated dust may be highly discomforting,
Skin contact:	Prolonged or repeated exposure may cause skin irritation, redness, swelling, vesicles, scaling and thickening of the skin.
Eye exposure:	Not normally a hazard. Generated dust may be highly discomforting,
Ingestion:	Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of <150g may be fatal or may produce serious damage to the health of the individual. Ingestion may result in nausea, abdominal irritation, pain and vomiting.
Chronic Toxicity:	
General	Avoid contact with unprotected bare skin, inhalation of vapour, mist or dust and ingestion as per good laboratory practice.

Section 12. Ecological information

Toxicity	
Aquatic toxicity:	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Persistence and degradability:	Sodium dichloroisocyanurate is highly persistent
Behaviour in environmental systems	
Bio-accumulative potential:	Low
Mobility in soil:	High
Additional ecological information	
Results of PBT and vPvB assessment	PBT: Not applicable vPvB: Not applicable
Other adverse effects:	No further relevant information available.

Section 13. Ecological information

Waste treatment methods	
Recommendation	Prevent this material from entering waterways, drains and sewers. Comply with official regulations.
Uncleaned packaging:	
Recommendation:	Disposal must be made according to official regulations.
Recommended cleansing agents:	Water, if necessary, together with cleansing agents.

Section 14. Transport information

General	Not listed as a hazardous material.
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Section 15. Regulatory Information

Safety health and environmental regulations/legislation specific for the substance or mixture

Australian Inventory of Chemical Substances:	Substances are listed.
Standard for the Uniform Scheduling of Medicines and Poisons	S6
GHS label elements	None
Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

Section 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and Acronyms

IARC: International Agency for Research on Cancer

CAS: Chemical Abstracts Service

PBT: Persistent Bio-accumulative and Toxic

vPvT: very Persistent and very Toxic