

Section 1: Identification of the Substance/Mixture and of Supplier

Product name: BROMINE TABLETS

Recommended use: Bromine tablets for swimming pools and spas should be used with an appropriate feeder.

Supplier: Space Industries Limited

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Wiri, Auckland
New Zealand

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Website: www.spaceindustries.co.nz

Emergency Telephone: 0800 764 766 (all hours)

Date of preparation: 22 March 2021

Section 2: Hazards Identification



Signal word: DANGER - HSR002683

Hazard Classification: 5.1.1B, 6.1D, 6.1E, 6.3A, 6.5B, 8.3A, 9.1A

Section 3: Composition/information on ingredients

Product Description: Off white solid tablet

Components / CAS Number	Proportion
1-Bromo-3-chloro-5,5-dimethylhydantoin / 16079-88-2	96%

Section 4: First Aid Measures

Show this Safety Data Sheet to a Doctor

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact: Remove/take off immediately all contaminated clothing.
Rinse skin with water.
Wash contaminated clothing before reuse.

Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. <u>Seek immediate medical attention.</u>
Ingestion:	If swallowed – Give 2 glasses of water to effectively dilute the product. DO NOT induce vomiting. Give milk, vegetable oil or egg whites. Seek medical attention Contact a Doctor or the Poisons Information Centre (0800 764 766) for further advice
Notes to physician:	Treat symptomatically.

For advice, contact the Poisons Information Centre 0800 764 766 or a doctor

Section 5: Fire Fighting Measures

Specific Hazards:	Non combustible.
Suitable Extinguishing Media:	If material is involved in a fire use Water fog (or if not available, fine water spray), foam, dry agent (carbon dioxide, dry chemical powder)
Fire-fighting advice:	Not combustible, however, the packaging material may burn to emit noxious fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
Hazchem Code:	1 (Y)

Section 6: Accidental Release Measures

Small Spills:	Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels).
Large Spills:	Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

Section 7: Handling and Storage

Handling:	Avoid skin and eye contact. Keep out of reach of children.
Storage:	Store in a well ventilated area away from incompatible materials Store in a cool place out of direct sunlight. Keep containers closed when not in use. Check regularly for spills.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:	No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH).
Engineering Control	Use in a well ventilated area.

Measures:	Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust mask. Keep containers closed when not in use.
Personal Protective Equipment:	Wear full protective clothing to avoid splashes. As product can cause eye irritation, safety glasses or goggles must be worn. Breathing protection recommended, and required if dust is present The use of rubber gloves is recommended. Wash contaminated clothing and other protective equipment before storage or re-use.

Section 9: Physical and Chemical Properties

Physical state:	Tablet
Colour:	Off white
Odour:	Faint halogenous
Solubility:	In water approximately 0.15g/100g at 25°C
Specific Gravity/Bulk	0.96
pH 1% w/v:	3.4-3.6
Decomposition Point (°C):	>145
Strength:	92.5%

Section 10: Stability and Reactivity

Stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to avoid:	Moisture can cause decomposition of the BCDMH, disintegration of the tablets.
Incompatible materials:	Incompatible with paints, petroleum, greases (especially mineral lubricants), sawdust and other combustible organic materials, organic and inorganic oxidizers, strong bases and moisture.
Decomposition:	The BCDMH in Bromine tablets is a hazard class 5.1 oxidizing agent and will easily decompose when contaminated with moisture and/or organic matter to produce dense, corrosive fumes that may contain bromine, hydrogen bromide, hydrogen chloride and nitrogen oxides.
Hazardous reactions:	None known.

Section 11: Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:	
Ingestion:	Capable of causing irritation
Eye contact:	Abrasive and irritating to the eye.
Skin contact:	The product may cause irritation on long and repeated contact
Inhalation:	Remove person to fresh air, if necessary seek medical advice.
Long term effects:	No information available
Toxicological Data:	No information available.

Section 12: Ecological Information

Environmental fate, Persistence and degradation: Avoid contaminating waterways.
 This material is biodegradable.

Section 13: Disposal Considerations

Refer to Waste Management Authority.
 Dispose of material through a licensed waste contractor.
 Flush to drain with large quantities of water.

Section 14: Transport Information

Road and Rail Transport: Classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land.

UN No: 1479
Class-primary 5.1
Packing Group: II
Proper Shipping Name: 1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN
Hazchem Code: 1(Y)

Marine Transport: Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS 1479

UN No: 5.1
Class-primary II
Packing Group: 1-BROMO-3-CHLORO-5,5-DIMETHYLHYDRATION
Proper Shipping Name

Section 15: Regulatory Information

Hazard Classification: 5.1.1B, 6.1D, 6.1E, 6.3A, 6.5B, 8.3A, 9.1A,

Section 16: Other Information

.Issue Date: 22 March 2021

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