

<b>MATERIAL SAFETY DATA SHEET</b>
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If no answer contact Poisons  
Information Centre 02 9692 6111

# BCM-X MICROBIOCIDE

Issued 27/4/05 by Sterile-Care Pty Ltd  
Disregard any previous M.S.D.S.

## STATEMENT OF HAZARDOUS NATURE

Classified as hazardous according to criteria of WorkSafe Australia.

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## PRODUCT IDENTIFICATION

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UN No	1479	Sub. Risk	Non Allocated
Hazchem	1Y	Spec. EPG	5B2
D.G.Class	5.1	Pack Grp	II

### **Tradenames.:**

Easy Dose Cartridge-Large / Mini, BCM-X Tablets

### **Use:**

Biocide for water treatment.

### **Ingredients:**

	<u>CAS #</u>	<u>Percentage</u>
1 Bromo-3-chloro-5,5-dimethylhydantoin	16079-88-2	96%
Inert Materials (not including water)	Non allocated	Balance

### **Physical Description / Properties:**

#### **Appearance:**

White tablets, bromine odour

#### **Boiling Range**

Decomposes>145C

#### **Melting Range**

Decomposes>145C

#### **Vapour Pressure**

N Av

#### **Specific Gravity**

0.96

#### **PH**

3.4-3.6(0.1% solution at 20C)

#### **Solubility:**

1.5 g/L in water at 20C

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## HEALTH HAZARD INFORMATION

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### **Acute Effects**

#### **Eye:**

Extremely corrosive to eyes. May cause sever corneal damage and possibly blindness..

#### **Skin:**

Corrosive to skin. May cause severe burns.

#### **Inhaled:**

Corrosive. Inhalation of vapours and dust may cause severe irritation to nose, mouth

## MSDS Product: BCM-X Microbiocide

and throat.

### **Swallowed:**

Extremely corrosive. Ingestion may result in death.

### **Chronic Effects**

Principle route of contact is usually by skin contact. The material is highly irritating to moist or damp skin. Toxic and highly irritating vapours containing bromine and chlorine compounds are released if the tablets come into contact with moisture or organic matter.

### **First Aid**

#### **Eye:**

Hold the eye open and wash continuously for at least 15 minutes with water immediately, take to hospital and do not remove contact lenses unless by skilled personnel.

#### **Skin:**

Immediately remove contaminated clothing & wash effected areas thoroughly with water and soap. Remove contaminated clothing. Seek medical attention if irritation occurs.

#### **Inhaled:**

Remove to fresh air. Lay patient down. Keep warm and rested. If available, administer medical oxygen by trained personnel. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. Transport to hospital, or doctor, without delay.

#### **Swallowed:**

DO NOT induce vomiting. Drink large quantities of water immediately. Take immediately to a hospital.

#### **Advice to Doctor:**

Probable mucosal damage may contraindicate the use of Gastric lavage.

### **Toxicity Data:**

Oral (rat) LD50: 1500mg/KG

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## PRECAUTIONS FOR USE

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### **Exposure Standards:**

ES TWA: 10 mg/m<sup>3</sup> [worksafe]

Particulars not otherwise classified P.N.O.C.

TLV TWA: 10mg/m<sup>3</sup> [ACGIH]

### **Engineering Controls:**

Use adequate ventilation to maintain atmospheric dust and vapour concentration at lowest practicable level. Avoid generating and inhaling dusts.

### **Personal Protection:**

#### **Eye:**

Safety glasses with side shields. Chemical goggles. Contact lenses pose a special hazard; Soft lenses may absorb irritants and all lenses concentrate them.

#### **Hands/Feet**

Wear chemical protective gloves, eg. PVC. Wear safety footwear.

#### **Flammability:**

**MSDS Product: BCM-X Microbiocide**

Will not burn but increases intensity of fire.

**Environment:**

N/A

**Other Precautions:**

N/A

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**SAFE HANDLING INFORMATION**

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**Storage and Transport:**

Store in a plastic container, make sure the container is clearly labelled. Packaging as recommended by manufacturer. Avoid storage with reducing agents and combustibles. Avoid contact with ammonia, urea, or other nitrogen containing compounds. Keep dry Store in original containers securely sealed as supplied. Store in a cool, well ventilated area out of sunlight and under cover. Store away from flammable or combustible materials, debris waste. Contact may cause fire or violent reaction. Store away from incompatible materials. Store away from foodstuff or containers. Do not stack on wooden floors or pallets. Protect containers from physical damage. Check regularly for spills and leaks. Observe manufacturer's storage and handling recommendations.

**Packaging and Labelling:**

Label Oxidising Agent [5]  
Oxidising Substances N.O.S

**Spills and Disposal:**

Clean up all spills immediately. No smoking, naked lights, heat or ignition sources. Avoid contact with any organic matter including fuel, solvents, sawdust, paper or cloth. Avoid contact with incompatible materials. Avoid breathing dust or vapours and all contact with skin and eyes. Control personal contact by using protective equipment. Contain and absorbents without specific advice. Scoop up solid residues and seal in labelled drums for disposal. Neutralise/decontaminated area.

**Major spills**

Clear area of personnel and move upwind. Alert fire brigade and tell them location and nature of hazard. May be violently or explosively reactive. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course. consider evacuation. Increase ventilation. Contain spills with sand, such as sawdust, paper or cloth. Use spark free and explosion proof equipment. Wash area and prevent run off into drains. Decontaminate equipment and launder all protective clothing before storage and re-use. If contamination of drains and waterways occurs advise emergency services.

**Reactivity data:**

Stable under normal storage conditions  
Avoid heating above 160C  
Avoid combustible organic materials and bases

**Fire / Explosion Hazard:**

**MSDS Product: BCM-X Microbiocide**

Will not burn but increases intensity of fire.

**Extinguishing Media**

Dry Powder

Carbon Dioxide

Water Spray

**Fire Fighting Procedures**

Wear full body protective clothing. With breathing apparatus.

If fire gets out of control withdraw personnel and warn against entry.

Equipment should be thoroughly decontaminated after use.

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**ADDITIONAL INFORMATION**

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**References:**

Chemwatch Report 25956

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**Contact Points:**

Mr Garry Gunstone.....(02) 9674 8849

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