



## Material Safety Data Sheet

Issue Date: July 21, 2011

Infosafe No. 7COCN

Product Name: Spa Tablets

### COMPANY DETAILS

Company Name Hy-Chlor (Australia) Pty. Limited  
Address: 5.01, 15 Orion Road, Lane Cove. NSW 2066  
Australia.

### IDENTIFICATION

Product Code 100400, 10940, 10848 (Toxic Solid Organic (NOS))  
Product Name BROMOCHLORO-5-5, DIMETHYLHYDANTOIN  
Shipping Name (CSN) OXIDIZING SOLID, N.O.S.  
Other Names HALOGENE  
HALOBROM  
Sold as HY-CLOR SPA TABLETS  
UN Number 1479  
DG Class 5.1  
Packaging Group II  
Hazchem Code IWE  
Poisons Schedule S6  
Product Use A microbiocidal bactericide fungicide, algicide and  
slimicide, in treating industrial cooling water systems  
and pulp and paper mills.

### PHYSICAL DATA

Appearance White to off-white crystalline solid with faint halogen  
odour.  
Melting Point Decomposes  
Vapour Pressure  $9.35 \times 10^{-3}$  at 25 Deg C  
Specific Gravity 1.8-2.0  
Solubility in Water 0.2g/100ml @ 25 Deg C

## OTHER PROPERTIES

Vapour Density	N/a under standard conditions
Solubility in Organic Form	Benzene 2.5g/100g @ 25 Deg C
Thermal Decomposition Formula	Solid Above 160 Deg C C5H6BrCIN2O2

## INGREDIENTS

Ingredients	Name	CAS	Proportion
	Bromochloro-5-5, Dimethylhydantion	23718-18-6	89.00-97.00%
	Inert Ingredients		200-1100%

## HEALTH EFFECTS

Acute Ingestion	Harmful if swallowed
Acute Eye	Risk of serious damage to eyes
Acute Skin	Irritant to skin, overexposure may cause skin sensitisation
Acute Inhalation	Harmful by inhalation, over exposure may cause irritation to upper respiratory tract

## FIRST AID

Ingestion	If swallowed, wash mouth thoroughly with plenty of water and give water or milk to drink. Seek medical attention immediately.
Eye	Holding the eyelids apart, flush eyes promptly with copious flowing water for at least 20 minutes. Seek medical attention immediately.
Skin	Remove contaminated clothing. Wash skin thoroughly with mild soap and plenty of water for at least 15 minutes. Wash clothing before re-use.
Inhalation	In case of dust inhalation or breathing fumes released from heated material, remove person to fresh air. Keep quiet and warm. Apply artificial respiration if necessary and get medical attention immediately.
First Aid Facilities	Safety shower and eye bath should be provided

## ADVICE TO DOCTOR

Advice To Doctor                      Treat symptomatically

## PRECAUTIONS FOR USE

Exposure Limits	Name	mg/m <sup>3</sup> TWA	ppmTWA	TWA Footnote
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Bromochloro-5-5, Dimethylhydantion  
Inert ingredients

Other Exposure Info	No TLV/TWA established
Engineering Controls	Ventilation must be sufficient to maintain dust below 10mg/m <sup>3</sup> 8 hours TWA

## PERSONAL PROTECTION

Respirator Type (AS 1716)    Use approved respirator

Protective Equipment              Wear rubber gloves, chemical safety goggles or face shield with safety glasses, body covering clothes and boots.

## FLAMMABILITY

Fire Hazards                      Not flammable

## STORAGE AND HANDLING

Storage Precautions	Keep containers tightly closed, avoid bodily contact. Store in a dry, cool well-ventilated and shaded area away from heat sources, away from incompatible materials eg.oxidising agents, reducing agents.
Handling	Avoid producing or diffusing dust into the air. Do not eat, drink or smoke until after-work showering and changing clothes.
Shipping Name (CNS)	OXIDIZING SOLID, N.O.S.
Special Shipping Info	TOXIC SOLID ORGANIC NOS

## SPILLS AND DISPOSAL

Spills and Leaks	Wear self-contained breathing apparatus, full PVC clothing, PVC gloves and boots. Sweep up, place in a bag and hold for waste disposal or possible reuse. Avoid raising dust.
Disposal and	Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State local environment regulations when disposing of this material. Consult State Waste Management Authority.

## FIRE/EXPLOSION HAZARD

Fire/Explos. Hazards	When heated to decomposition, may release poisonous and corrosive fumes of HBrNO <sub>x</sub> and IICI. Strong oxidising agent. Forms explosive mixtures with combustible, organic or other easily oxidisable materials.
Fire Fighting provide Procedures positive Extinguishing Media Hazchem Code	Cool containers with water spray. In closed stores, fire-fighters with self-contained breathing apparatus in pressure mode. Dry chemicals, carbon dioxide, water spray (fog) IWE

## OTHER INFORMATION

Toxicology	LD50 Rat oral 1500mg/kg LD50 Rat dermal 2000mg/kg LD50 Rat inhalation 0.5mg/ 1/4 hour
Information on Ecological Effects	Marine pollutant
Risk Statement	R22 Harmful if swallowed. R23 Toxic by inhalation. R38 Irritating to skin. R41 Risk or serious damage to eyes. R50 Very toxic to aquatic organisms. S26 In case of contact with eyes, rinse immediately with water and contact a doctor or Poisons Information Centre.
Safety Statement	S28 After contact with skin, wash immediately with plenty of mild soap and water. S45 In case of accident or if unwell, contact a doctor or Poisons Information Centre immediately. (Show the label where possible) S36/37/39 Wear

suitable protective clothing, gloves and eye/face protection.  
Hazard Category Toxic, Harmful, Irritant

<b>CONTACT POINT</b>
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Contact	Mr Mark Sheridan Technical Regulation Manager (02) 9267 2992
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