



## **PRICE CHEMICALS PTY LIMITED**

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# **MATERIAL SAFETY DATA SHEET**

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**Hazardous according to criteria of Worksafe Australia**

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**Date of Issue : 1<sup>st</sup> January 2005**

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## **1. IDENTIFICATION**

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### **General**

Product Name : PUREX BROMINE TABLETS

Other Names : BROMOCHLORO-5-5, DIMETHYLHYDANTOIN

UN No. : 1479

Dangerous Goods Class : 5.1

Subsidiary Risk : None Allocated

Hazchem Code : 1 WE

Pack Group : II

EPG :

Poisons Schedule : S6

Uses :

A microbiocidal bactericide fungicide, algicide and slimicide, in treating industrial cooling water systems, pulp and paper mills, and swimming pools.

### **1.1 Physical Description / Properties**

Appearance : Whitto off-white crystalline solid with faint halogen odour.

Formula : C5H6BrCIN2O2

\* Boiling Point : N/A deg C

Melting Point : Decomposes

Vapour Pressure :  $9.35 \times 10^{-3}$  Pa at 25 Deg C

Solubility in Water : 0.2g/100ml at 25 Deg C

Vapour Density : N/A under standard conditions

Form : Solid

Solubility in Organic : Benzene 2.5g/100g at 25 Deg C

### 1.2 Other Properties

Decomposition temperature : above 160 Deg C

### 1.3 Ingredients

Chemical Entity	CAS No.	Proportions (%)
BROMOCHLORO-5, 5-DIMETHYLHYDANTOIN	[ 32718-18-6]	89 -97
INERT INGREDIANTS		2 - 11

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## 2. HEALTH HAZARD INFORMATION

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### 2.1 Health Effects - Acute

#### Swallowed

Harmful if swallowed

#### Eye

Risk of serious damage to eyes

#### Skin

Irritant to skin, overexposure may cause skin sensitization

#### Inhaled

Harmful by inhalation, over exposure may cause irritation to upper respiratory tract.

### 2.2 Health Effects - Chronic

No data available

## **2.3 First Aid**

### **Swallowed**

Immediately rinse mouth with water. Give water or milk to drink. DO NOT induce vomiting. Seek immediate medical assistance.

### **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 and wash before reuse. Wash skin thoroughly with mild soap and plenty of water for at least 15 minutes

### **Inhaled**

Remove victim from exposure. Avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing is laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through face mask. If breathing has stopped apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek medical advice.

### **First Aid Facilities**

Ensure an eye bath and safety shower are available and ready for use.

## **2.5 Advice to Doctor**

Treat symptomatically .

## **2.6 Toxicity Data**

Oral LD50 = 1500 mg/kg (Rat) Dermal LD50 = >2000 MG/KG Inhalation LC50 = 0.53mg/ ¼ hour

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## **3. PRECAUTIONS FOR USE**

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### **3.1 Exposure Standards**

No TL/TWA established

### **3.2 Engineering Controls**

Ventilation must be sufficient to maintain dust below 10mg/m<sup>3</sup> 8 hours TWA

### **3.3 Personal Protection**

Overalls, safety shoes, goggles, gloves, dust mask. Avoid skin and eye contact. Wear overalls, chemical goggles and impervious gloves. Avoid generating and inhaling dusts. If dust exists, wear dust mask/respirator meeting the requirements of AS1715 and AS1716. Always wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities. Wash contaminated clothing and other protective equipment before storing or re-using as it constitutes a fire hazard.

### **3.4 Flammability**

Not flammable

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## **SAFE HANDLING INFORMATION**

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### **4.1 Storage / Transport**

Keep containers tightly closed, avoid bodily contact. Store in dry, cool well ventilated and shaded area, away from heat sources, away from incompatible materials, e.g. oxidising agents, reducing agents. Avoid producing or diffusing dust into the air.

### **4.2 Packaging / Labelling**

UN No. 1479

Class 5.1

Sub Risk None Allocated

Hazchem Code 1 WE

Pack Group II

EPG No. N/A

Shipping Name OXIDIZING SOLID, N.O.S

Hazard: TOXIC, HARMFUL, IRRITANT

#### **Risk Phrases**

R22 Harmful if swallowed

R23 Toxic by inhalation.

R38 Irritation to skin.

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms

### **Safety Phrases**

S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

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

### **4.3 Spills and Disposal**

#### **Spills**

Wear self-contained breathing apparatus, full PVC clothing, PVC gloves and boots. Sweep up and place in a bag and hold for waste disposal or possible reuse. Avoid rasing dust.

#### **Disposal**

Dissolve or mix the material with a combustibile solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Observe all Federal, State and local environmental regulations when disposing of this material. Consult State Waste Management Authority.

### **4.4 FIRE AND EXPLOSION HAZARD**

#### **Fire / Explosion**

When heated to decomposition, may release poisonous and corrosive fumes of HBr, Nox and HCl.

Strong oxidizing agent. Forms explosive mixtures with combustibile, organic or other easily oxidisable materials.

#### **Fire Fighting Procedures**

Cool containers with water spray. In closed stores, provide fire-fighters with self-containes breathing apparatus in positive pressure mode.

#### **Extinguishing Media**

Dry chemicals, carbon dioxide, water spray (fog).

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## **5 OTHER INFORMATION**

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#### **Other Information**

No data available

### 5.1 Contact Points

Organisation	Location	Telephone	Ask For
Price Chemicals Pty Ltd	Somersby NSW	4340 0088	Technical Officer
Poisons Information Centre	Westmead	131129	
		1800-251525	