

**1. Identification of the substance/preparation and of the company/undertaking**

- **Trade Name:** UKPS 20g Bromine Tablets
- **Other names**
- **Intended use of chemical** For disinfection of pool and spa water.
- **Manufacturer/Supplier** Complete Pool Controls Ltd, Unit 2, The Park, Stoke Orchard, Bishops Cleeve, Gloucestershire, GL52 7RS.  
Tel: +44 (0) 8712 229081  
Fax: +44 (0) 8712 229083

**2. Composition/information on ingredients**

- **Chemical characterization:**
- **CAS No. Description** Bromochloro-5-5,dimethylhdantoin 32718-18-6

**3. Hazard Identification**

Corrosive



Oxidising

- R8 Contact with combustible material may cause fire.
- R22 Harmful if swallowed
- R31 Contact with acids liberates toxic gas.
- R34 Irritating to eyes and respiratory System.
- R50 Very toxic to aquatic organisms.

**4. First Aid measures**

- **After inhalation:** Move to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume the 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 qualified person give oxygen through a facemask. Seek medical advice.
- **After skin contact:** Wash with plenty of cold water for a minimum of 15 minutes. Remove contaminated clothing and wash before re-use.
- **After eye contact:** Flush eyes with cold flowing water for at least 20 minutes with eyelids held open. Seek urgent immediate medical attention
- **After Ingestion:** Immediately rinse mouth with water. Give water to drink. Seek immediate medical attention.

**Trade Name: Bromine Tablets****5. Fire fighting measures**

- **Special extinguishing media:** Dry chemicals, carbon dioxide, water spray (fog)
- **Special exposure hazards in fire:** May release poisonous and corrosive fumes of HBr, Nox and HCl. Strong oxidising agent. Forms explosive mixture with combustible, organic or other easily combustible material.
- **Special protective equipment:** Fire-fighters should wear full protective clothing and self-contained breathing apparatus (SCBA). Thoroughly decontaminate fire-fighting equipment including all fire fighting wearing apparel after the incident.

**6. Accidental release Measures**

- **Personal Protection** Use appropriate personal protective equipment as detailed in section 8
- **Methods for cleaning:** Increase ventilation. Clear area of all unprotected personnel. Wear protective equipment. Work upwind. Sweep up, place in bag and hold for waste disposal. Avoid raising dust.

**7. Handling and storage**

- **Personal Protection** Strong oxidising agent. **DO NOT MIX WITH OTHER CHEMICALS.** Mix only with water. Never add water to product. Always add product to water. Use clean dry dispensing equipment.
- **Storage** Keep this product in original, sealed container when not in use. Store in a cool, dry, well-ventilated area. Store away from combustible materials, any easily oxidisable matter, strong acids and alkalis, oxidising agents and foodstuffs.

**Trade Name: Bromine Tablets****8. Exposure control/personal protection**

- **Exposure control limits and source:**

No value assigned for this product

- **Hand Protection**

Wear suitable chemical resistant gloves



- **Eye Protection**

Wear appropriate safety goggles



- **Skin Protection**

Avoid contact with skin.

- **Respiratory Protection**

Use respiratory protection for dust inhalation protection.

- **General**

General room ventilation plus local exhaust should be used to maintain exposure below TLV. Eyewash and emergency shower facilities recommended. Remove and wash contaminated clothing before reuse.

**9. Physical and chemical properties**

- **Appearance at 20°C**

White to off white crystalline solid

- **Odour**

faint halogen odour

- **Vapour Pressure at 20°C**

$9.35 \times 10^{-3}$

- **pH (conc)**

- **Melting Point**

Decomposes

- **Specific Gravity**

1.8 - 2

- **Solubility in water**

0.2/100ml 25°C

**10. Stability and reactivity**

- **Stability**

Strong Oxidising agent. Forms explosive mixtures with combustible, organic or other easily oxidisable materials.

**Trade Name: Stabilised Chlorine Tablets****11. Toxicological Information**

• Inhalation	Harmful if inhaled, over exposure may cause irritation to upper respiratory tract.		
• Ingestion	Harmful if Swallowed		
• Skin	Irritant to the skin, overexposure may cause skin sensitization.		
• Eyes	Risk of serious damage to eyes		
• Toxicity	Oral LD50	1500 mg/kg	(rat)
	Dermal LD50	>2000 mg/kg	(rat)
	Inhalation LD50	0.53mg /¼ hr	(rat)

**12. Ecological Information**

• Mobility	This product is toxic to fish and aquatic organisms. <b>DO NOT</b> discharge effluent containing this product into lakes, streams, ponds or estuaries, oceans or their waters unless in accordance with the applicable regulatory requirements. <b>DO NOT</b> discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.
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**13. Disposal Considerations**

• Substance	<b>DO NOT</b> put product, spilled product or filled or partially filled containers into the waste or waste compactor. Disposal of unused, uncontaminated product is regulated according to local and national disposal legislation.
• Container	<b>DO NOT</b> re-use container. Rinse thoroughly before discarding.

**14. Transport Information**

• U N No	UN1479
• Proper shipping name	Bromochloro-5-5, Dimethylhdantoin
• Class/division	5.1 (Oxidising Agent)
• Packing group	II
• Hazard I D No	50
• EAC	1WE

**Trade Name: Bromine Tablets****15. Regulatory information**

• <b>Product Name</b>	Bromine Tablets	
• <b>Symbol</b>	O; C	
• <b>Indications of danger</b>	Oxidising/Corrosive	
• <b>Risk phrases</b>	R8	Contact with combustible material may cause fire.
	R22	Harmful if swallowed
	R31	Contact with acids liberates toxic gas.
	R34	Irritating to eyes and respiratory System.
	R50	Very toxic to aquatic organisms.
• <b>Safety phrases</b>	S1/2	Keep locked up and out of reach of children
	S8	Keep container dry
	S26	In case of contact with eyes, rinse immediately with water and seek medical attention.
	S41	In case of fire and/or explosion <b>DO NOT</b> breathe fumes. This material and/or its container must be disposed of as
	S60	hazardous waste.
	S61	Avoid release to the environment.

**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.

