

# HarChem

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## Water Services

PO Box 310, Muldrow, OK 74948

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### SAFETY DATA SHEET

## HIM-003

#### SECTION 1: IDENTIFICATION

##### MANUFACTURER/ DISTRIBUTOR

HarChem Water Services

P.O. Box 310

Muldrow, OK 74948

##### Emergency Telephone Number:

479-806-0266 24 hours everyday

918-427-0777

Chemtec 1-(800)-262-8200

RECOMMENDED USES: Cooling tower biocide

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#### SECTION 2: HAZARD IDENTIFICATION

<u>Ingredient (s)</u>	<u>CAS#</u>	<u>% (by weight)</u>
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1 Bromo-3-chloro-5,	126-06-7 and 77-48-5	50-95
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5 dimethylhydantion

1-3 dibromo-5,

5- dimethylhydantion

##### PICTOGRAM REPRESENTATION:



HAZARD STATEMENTS: May cause severe irritation to the eyes and skin.

##### HAZARD CLASSIFICATION:

Eye Irritation: Category I

Skin Irritation: Category II

Acute Oral Toxicity: Category II

Acute Inhalation Toxicity: Category II

SIGNAL WORD (IF APPLICABLE): OXIDIZER

POTENTIAL HEALTH EFFECTS: EYES: May cause severe irritation. Prolonged contact may cause irreversible damage.

POTENTIAL HEALTH EFFECTS: SKIN: May result in severe irritation. Prolonged skin contact may cause irreversible damage. Burns may be severe if skin is wet or damp.

POTENTIAL HEALTH EFFECTS: INGESTION: Like inhalation, will burn digestive tract tissues severely.

POTENTIAL HEALTH EFFECTS: INHALATION: Can be severely irritating to the lungs with potential systematic absorption and tissue damage.

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### SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

MOLECULAR WEIGHT: N/A

GENERAL USE: Cooling Tower Biocide

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### SECTION 4. FIRST AID MEASURES

EYES: Holding eyelids apart and rolling the eyes, flush eyes with large amounts of water for 15 minutes.

SKIN: Immediately wipe off excess material with a dry cloth. Remove contaminated clothing. Wash affected areas thoroughly with mild soap and plenty of water under a safety shower, if available, for at least 15 minutes. Discard or decontaminate clothing. Get medical attention if irritation persists.

INGESTION: If swallowed, give several glasses of water. Do not induce vomiting. If vomiting occurs, give fluids again. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention. Have physician determine if patient's condition allows induction of vomiting or evacuation of stomach.

INHALATION: Remove patient from area to fresh air. If patient is having trouble breathing administer oxygen, if available. If patient is not breathing start artificial respiration.

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### SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT: Decomposes at 160 C

AUTOIGNITION: N/A

EXTINGUISHING MEDIA: Use media appropriate for surrounding fire.

FIRE / EXPLOSION HAZARDS: Material is a strong oxidizer and corrosive. May ignite combustible materials. At 160 c will decompose, releasing irritant, toxic hydrogen, bromide fumes. Will smolder large fires fueled by other materials with emission of dense black smoke for a long time.

FIRE FIGHTING PROCEDURES: Cool fire-exposed containers with water spray. Flood burning material with large quantities of water, to minimize the progressive generation of noxious gases. Must wear NIOSH approved self-contained breathing apparatus and protective clothing.

**NFPA Hazard Codes:**

**Health: 3**

**Fire: 1**

**Reactivity: 1**

**Other: None**

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to take if material leaks or spills: DANGER: Oxidizing and corrosive material. Wear appropriate protective gear and respiratory protection. Prevent dusting, carefully either shovel or sweep up and place in an appropriate container. Do NOT contaminate with oxidizable materials. Small amounts may be neutralized. Neutralize any residue with dilute, alkaline sodium

bisulfite or thiosulfate solution, absorb with sand or vermiculite and place in a compatible container for disposal. If material is wet, neutralize and proceed as stated above. Material is toxic to fish. DO NOT discharge into lakes, streams, ponds or public water unless in accordance with all federal, state and local regulations.

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## SECTION 7: HANDLING AND STORAGE

**Storage:** Avoid breathing dust. Store in a cool dry area, away from all organic material. Avoid heat and direct sunlight. Do NOT allow product to come in contact with oxidizable material. Keep containers closed tightly. **Handling:** Wear all recommended protective equipment when handling this product. Personnel handling this product should be aware of the location of the nearest eye wash and shower stations.

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## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Ventilation:** Local exhaust: Recommended if dusting occurs.

**Mechanical Equipment:** General Ventilation

Respiratory Protection: While handling product wear a NIOSH approved respirator

Protective Gloves: Wear acid resistant gloves such as rubber, plastic or neoprene

Eye Protection: Wear chemical goggles where there is a potential for eye contact. Use safety glasses or plastic goggles with side shields under normal conditions. Do NOT wear contact lens when handling this product.

Other Equipment: Clothes should completely cover skin. Coats, coveralls, or aprons are recommended. Eye wash and shower stations are recommended.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: N/A

SOLUBILITY IN WATER: 0.25 g/100 gm @ 25 C

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

BOILING POINT: N/A

MELTING POINT: 158-165 C

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## SECTION 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Water, strong acids and alkalis, high temperatures, moisture and readily oxidizable materials.

**STABILITY:** Stable

**POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce toxic organic vapors/fumes and oxides of carbon and nitrogen.

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## SECTION 11. TOXICOLOGICAL INFORMATION

**Oral LD50 (rat)** estimated at 470 mg/kg

**Eye irritation (rabbit)** Corrosive

**Skin irritation (rabbit)** Corrosive

**Note:** Severely irritating to the lung upon inhalation with potential systematic absorption of tissue damage.

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**SECTION 12. ECOLOGICAL INFORMATION**

**Environmental Fate:** No information found

**Environmental Toxicity:** No information found

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**SECTION 13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Dispose of in compliance with all Federal, State, and local regulations. Incineration is the preferred method. Relatively small quantities of product may be neutralized as stated above and if in accordance with local laws and the operators of the local sewage treatment plant, the neutralized material may be discharged into the sewer system.

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**SECTION 14: TRANSPORT INFORMATION**

Oxidizing solid, N.O.S, (1-Bromo-3, chloro-5, 5 dimethyl hydration), 5.1 UN1479, PGII.

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**SECTION 15: REGULATORY INFORMATION**

N/A

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**SECTION 16: OTHER INFORMATION**

Date of Preparation: 05/25/08

Last Revision: 01/23/13