

**Description** XtraBrom T is a bromine-based biocide in tablet form. The active ingredient is 1,3-dibromo-5,5-dimethylhydantoin (CAS # 77-48-5).

**Applications** XtraBrom T is used as a fungicide, algicide, slimicide, and microbiocide for wastewater, commercial and industrial recirculating cooling water systems, industrial once-through cooling water systems, brewery pasteurizers, pulp and paper mill systems, air washer systems, air and gas scrubber systems and decorative fountains. It controls biofilm deposits from pumps, pipework, heat exchangers and filters associated with industrial water treatment systems.

**Specifications** Appearance ..... white to off-white tablets  
 Assay, wt% 1,3-dibromo-5,5-dimethylhydantoin, min ..... 97.0

**Typical Properties** Available Br<sub>2</sub>, % ..... 111  
 Tablet diameter, approx., in (cm) ..... 1.2 (3)  
 Tablet weight, g, approx. .... 21  
 Bulk density, g/cm<sup>3</sup>, at ambient temperature, approx. .... 1.3  
 Melting/Decomposition temperature, °F (°C), DSC ..... >374 (>190)  
 Solubility in water, wt%, at 68 °F (20 °C), approx ..... 0.1  
 pH (1% slurry in pH 7 water) ..... 6.0-6.5  
 Odor ..... mild halogen

**Shelf Life** Shelf life of this product is at least two years at normal ambient conditions when properly stored in its original container and contact with moisture is avoided.

**Compatibility**

**Compatible**  
 XtraBrom T, at its end-use concentration, is compatible with commonly used materials of construction in cooling systems. In its neat form, at ambient temperatures, this product is expected to be compatible with high-density polyethylene (HDPE), low-density polyethylene (LDPE), polypropylene (PP), Teflon<sup>®</sup>, polyvinyl chloride (PVC), Viton<sup>®</sup>, Kynar<sup>®</sup>, chlorobutyl rubber, Hypalon<sup>®</sup>, titanium and Hastelloy<sup>®</sup> C. Feeders made of fiber reinforced vinyl ester resin can be used for product application.

**Incompatible**  
 In its neat form, this product is not compatible with nylon and most common metals such as aluminum, brass, copper, iron, carbon steel, stainless steel, and galvanized steel. Do not store this product in metals and fiberboard containers.

This product is a strong oxidizing and brominating agent. Avoid contact with other chemicals, especially reducing agents, acids, ammonia-containing products, organic materials (such as aldehydes and alcohols), and other oxidizing agents (such as calcium hypochlorite). Use of incompatible materials can promote the exothermic decomposition of the product.

**Shipping Information****Container Information**

Available in 45-lb plastic pails.

**Shipping Classification**

Proper shipping name: OXIDIZING SOLID, N.O.S.  
(1,3-DIBROMO-5,5-DIMETHYLHYDANTOIN)  
Hazard class: 5.1  
ID number: UN1479  
Packing Group: II  
Label: Oxidizer with number 5.1  
Placard: Oxidizer with number 5.1

**Safety and Handling Information**

For specific safety and handling information please refer to the current material safety data sheet, which is available upon request.

**Regulatory Information**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. State registration is required prior to sale and distribution of this product.

U.S. EPA registration number: 3377-62

*For further information, please refer to the product label and material safety data sheet..*

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