

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - General Information

PRODUCT NAME	<b>Photobrome Tablets</b>				
PRODUCT USE	Biological growth inhibitor	HMIS SCALE	HEALTH <b>3</b>	FLAMMABILITY <b>1</b>	REACTIVITY <b>2</b> PPE <b>J</b>
SUPPLIER	White Mountain Imaging	CATALOG # 3507, 3508, 3509, 3510			
ADDRESS	PO Box 216 Salisbury NH 03268				
PHONE NO.	<b>603-648-2124</b>	EMERGENCY TEL #	<b>CHEMTREC 800-424-9300</b>		

## SECTION 2 - Product and Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS NUMBER	W/W %	Permissible Exposure Limit	LD50	LC50
1-bromo-3chloro-5,5 dimethylhydantoin	16079-88-2	92.5	not listed	1390 mg/kg	not available
Sodium carbonate	497-19-8	4.5	not listed	4090 mg/kg	2300

## SECTION 3 - Hazards Identification

### EFFECTS OF ACUTE EXPOSURE TO PRODUCT

**May be fatal if swallowed.** Highly corrosive to skin and eyes. Causes skin and eye damage. Irritating to nose and throat if inhaled. Probable mucous damage may contraindicate the use of the gastric valve.

### EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

None known

## SECTION 4 - First Aid Measures

### SKIN CONTACT

Wash exposed skin thoroughly with cold water for at least 15 minutes. If irritation persists seek medical advice.

### EYE CONTACT

Flush eyes with water for at least 15 minutes. Seek medical attention immediately.

### INGESTION

**DO NOT** induce vomiting. Drink large amounts of water. Avoid alcohol. Seek medical attention immediately.

### INHALATION

If inhaled, remove to fresh air. If breathing is difficult administer oxygen. Seek medical attention immediately.

## SECTION 5 - Fire Fighting Measures

FLAMMABILITY YES  NO  IF YES, UNDER WHAT CONDITIONS

### MEANS OF EXTINCTION

As needed to extinguish adjacent fire source. If heated to above 350°F, this product will undergo self-sustaining decomposition with dense noxious gases and large amounts of oxygen.

FLASHPOINT (°C) AND METHOD	UPPER FLAMMABLE LIMIT (% BY VOLUME)	LOWER FLAMMABLE LIMIT (% BY VOLUME)	AUTOIGNITION TEMPERATURE (°C)
Not appropriate	Not appropriate	Not appropriate	Not appropriate
HAZARDOUS COMBUSTION PRODUCTS	EXPLOSION DATA	SENSITIVITY TO IMPACT	SENSITIVITY TO STATIC DISCHARGE
See "Hazardous Decomposition Products".		Not susceptible	Not susceptible

## SECTION 6 - Accidental Release

Do not add water to spilled material. Sweep and scoop all spilled materials and place in a clean dry container for disposal. Do not use floor sweep compounds to clean up spills. Do not close containers containing wet or damp materials. Wear splash goggles, impervious gloves and apron. Keep product out of sewers. Consult with governmental regulatory agencies for appropriate disposal of this material

## SECTION 7 - Handling and Storage

**Strong oxidizing agent.** DO NOT ALLOW THIS PRODUCT TO COME INTO CONTACT WITH FIXER. Always add product to large quantities of water. Keep this product in the original closed container when not in use. Store in dry, well ventilated area away from heat or open flame.

**Photobrome Tablets**

**SECTION 8 - Exposure Controls**

VENTILATION Good general ventilation.

SKIN Latex or nitrile

EYE Splash goggles

RESPIRATORY

OTHER Eye wash station

**SECTION 9 - Physical and Chemical Properties**

PHYSICAL STATE Solid	ODOR AND APPEARANCE Solid white tablet with bromine odor			ODOR THRESHOLD Not available
VAPOUR PRESSURE (mmHg) Not applicable	VAPOUR DENSITY (Air = 1) >1	EVAPORATION RATE (Water = 1) < butyl acetate	BOILING POINT Not applicable	FREEZING POINT Not applicable
pH 4.5	SPECIFIC GRAVITY Not applicable	SOLUBILITY IN WATER (20°C) 0.15 g/100g	COEFF WATER OIL Not available	PERCENT VOLATILE (BY VOLUME) Not applicable

**SECTION 10 - Stability and Reactivity Data**

CHEMICAL STABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IF NO, UNDER WHAT CONDITIONS photographic fixer, ammonia, urea or any nitrogen containing materials.			
INCOMPATIBILITY WITH OTHER SUBSTANCES YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IF YES, WHICH ONES?			
REACTIVITY, AND UNDER WHAT CONDITIONS Stable under ambient pressure and temperature.				
HAZARDOUS DECOMPOSITION PRODUCTS Halogen containing gases, COx				

**SECTION 11 - Toxicological Information**

EXPOSURE LIMITS None known	IRRITANCY OF PRODUCT Eye: Corrosive Skin: Corrosive	SENSITIZATION TO PRODUCT None known	CARCINOGENICITY Not listed by IARC, OSHA or ACGIH.
TERATOGENICITY Not known	REPRODUCTIVE TOXICITY Not known	MUTAGENICITY Not known	SYNERGISTIC PRODUCTS Not known

**SECTION 12 - Ecological Information**

Photobrome is a pesticide and toxic to fish and aquatic organisms. Do not discharge directly to any watercourse.

**SECTION 13 - Disposal Considerations**

Pesticide wastes are toxic. Dispose of this product in accordance with federal, state and/or local laws.

**SECTION 14 - Transportation Information**

Oxidizing substances, Solid n.o.s. Class 5.1, UN 1479, PG II

**SECTION 15 - Regulatory Information**

WHMIS Classes E, C

**SECTION 16 - Other Information**

The information contained in this MSDS is furnished without warranty of any kind. The user should consider this data a supplement to other data gathered and must make an independent determination of suitability from this and other sources to assure proper use and disposal of this material and the health and safety of employees and customers.