



CHEM PRO LABORATORY, INC.

CHEMICAL ENGINEERS

MATERIAL SAFETY DATA SHEET

Section I - PRODUCT IDENTIFICATION

Manufacturer's Name	Chem Pro Laboratory, Inc.	Trade Name	Bromigen Tablets
Address	941 West 190th Street	Common Name	Halogenated Hydantoin
City, State and zip	Gardena, CA 90248-4398	Reference or Preparer	K. Johnson
Telephone	(310) 532-8611	Date Prepared	2-23-2004(Reviewed)

Section II - HAZARDOUS INGREDIENTS

FOR EMERGENCIES CONTACT 1-800-424-9300(CHEMTREC)

Chemical Names	CAS Numbers	Percent	Exposure limits in air:		
			ACGIH (TLV)	OSHA (PEL)	Others
1 - Bromo-3-chloro-5,5-dimethyl-hydantoin	16079-88-2	92.5	Not Est.	Not Est.	

Section III - PHYSICAL AND CHEMICAL CHARACTERISTICS

Melting Point, °F	293 - 302	Specific Gravity	60.1 [density]
Bolling Point, °F	N/A	Solubility in Water	Soluble
Vapor Pressure, mm Hg @ 20 °C	N/A	Percent Volatile	N/A
Vapor Density (Air=1)	N/A	Reactivity in Water	N/A
Evaporation Rate (Water=1)	N/A	pH (units)	N/A
Appearance and Odor	White tablets with faint halogen odor.		
How to detect Presence: (Warning Properties)	Halogen odor.		

Section IV - FIRE AND EXPLOSION DATA

Flash Point, °F (Method Used)	N/A	Auto Ignition Temperature, °F	N/A
Flammable Limits - LEL Lower:	N/A	UEL Upper:	N/A
Fire Extinguishing Materials:	Water Spray (x) Foam () Carbon Dioxide () Dry Chemical () Others ()		
Special Fire Fighting Procedures:	May release hydrogen bromide or bromine. Wear self-contained breathing apparatus.		
Unusual Fire or Explosion Hazards:	Ammonium phosphate extinguishers should not be used.		

The data in this material safety data sheet is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, Chem Pro Laboratory, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should have relative technical skills and satisfy himself that he has all current data relevant to his particular product and its applications.

Section V - HEALTH HAZARDS

Health Effects or Risk from Exposure

Acute: **Strong irritant**Chronic: **Unknown****Symptoms of Over-exposure**

1. Inhaled: **Inhalation of dust causes nasal and throat irritation.**
2. Contact With skin or Eyes: **May cause irreversible eye damage.**
3. Absorption Through skin: **May cause skin irritation.**
4. Swallowed: **May cause irritation or burns to mucosal membrane.**

FIRST AID: Emergency Procedures

1. Eye Contact: **Irrigate eyes with large volumes of water for at least 15 minutes. Seek medical attention promptly.**
2. Skin Contact: **Remove contaminated clothing. Wash skin with soap and water. If skin irritation develops, seek medical attention.**
3. Inhaled: **Remove victim to fresh air. If breathing becomes difficult, administer oxygen and seek medical attention.**
4. Swallowed: **Seek medical attention. Do not induce vomiting. Drink at least 8 oz. of water.**

Suspected cancer agent:

This Product's Ingredients Are Not Found In The List:

No () Yes ()Federal OSHA ()NTP ()IARC ()Cal-OSHA ()

Medical Conditions Aggravated By Exposure:

Existing dermatitis may be aggravated by exposure.**Section VI - REACTIVITY DATA**Stability: **Stable () Unstable ()**

Conditions to Avoid:

N/A

Hazardous Decomposition Products:

Hydrogen bromide, bromine, hydrogen chloride, chlorine.Hazardous Polymerization: **May Occur () Will Not Occur ()****Section VII - SPILL OR LEAK PROCEDURES**

Spill Response Procedures:

Sweep up material and place into a properly labeled, suitable container.

Preparing Wastes For Disposal:

Dispose of in accordance with local, State and Federal regulations.**Section VIII - SPECIAL HANDLING INFORMATION**Respiratory Protection: **NIOSH approved dust mask.**Ventilation: **Local Exhaust () Mechanical (general) () Special: N/A Other: N/A**Protective Gloves: **Impermeable rubber gloves** Eye Protection: **Goggles**Other Protective clothing or Equipment: **Coveralls or impermeable apron.**Work/Hygiene Practices: **Wash thoroughly after handling.****Section IX - LABELING, SPECIAL PRECAUTIONS**DOT: **UN1479**HMIS Ratings: **Health: 1 Flammability: 0 Reactivity: 2**Special Precaution: **Class 2 oxidizer, DOT: Oxidizing substances, solid, n.o.s., 5.1, UN1479, PGII**