

## MURSATT MATERIAL SAFETY DATA SHEET

### SECTION I MATERIAL IDENTIFICATION

PRODUCT IDENTIFIER	<b>BROMINATING TABLETS FOR SPAS AND HOT TUBS</b>	CODE: S00
MANUFACTURER	<b>MURSATT CHEMICALS LIMITED</b>	
ADDRESS	71 CARLAUREN ROAD, WOODBRIDGE, ONT., L4L 8A8	
MANUFACTURER'S PHONE	(905) 850-8444	
EMERGENCY PHONE	<b>CANUTEC (613) 996-6666</b>	
PRODUCT USE	POOL WATER SANITIZER	
PROPOSED WHMIS CLASS	[C] OXIDIZER, [D1B] TOXIC, [E] CORROSIVE	

### SECTION II HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY	% w/w	CAS #	UN	LD50 (mg/kg)	LC50 (mg/m <sup>3</sup> )
1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN	60 - 100	126-06-7	1479	468 (ORAL,RAT)	NOT AVAILABLE

### SECTION III PHYSICAL DATA

STATE	SOLID	ODOUR	SLIGHT PUNGENT
APPEARANCE	OFF WHITE TABLET 20 gm	ODOUR THRESHOLD	NOT AVAILABLE
SPECIFIC GRAVITY	NOT AVAILABLE	VAPOUR PRESSURE	NOT AVAILABLE
pH	NOT AVAILABLE	VAPOUR DENSITY	NOT AVAILABLE
BOILING POINT °C	NOT AVAILABLE	EVAPORATION RATE	NOT AVAILABLE
FREEZING POINT °C	NOT APPLICABLE	COEF. WATER/OIL DISTRIBUTION	NOT AVAILABLE

### SECTION IV FIRE AND EXPLOSION DATA

FLASHPOINT °C & METHOD	DECOMPOSES 165 C
UPPER FLAMMABLE LIMIT (% VOLUME)	NOT APPLICABLE
LOWER FLAMMABLE LIMIT (% VOLUME)	NOT APPLICABLE
CONDITIONS OF FLAMMABILITY	MAY PRODUCE NOXIOUS GASES. CONTAMINATION WITH ORGANIC MATER, ACIDS, OR AMMONIA. MAY GENERATE FUMES LEADING TO FIRE OR EXPLOSION.
MEANS OF EXTINCTION	FLOOD WITH COPIOUS QUANTITIES OF WATER.
AUTO IGNITION TEMPERATURE	NOT APPLICABLE
HAZARDOUS COMBUSTION PRODUCTS	BROMINE AND OTHER NOXIOUS GASES
EXPLOSION DATA	NOT APPLICABLE
SENSITIVITY TO STATIC DISCHARGE	NOT APPLICABLE

### SECTION V REACTIVITY DATA

CHEMICAL STABILITY	STABLE (DECOMPOSES AT 165 C)
INCOMPATIBLE MATERIALS	ACIDS, ALKALIS, HIGH TEMPERATURES, ORGANICS, AMMONIA BEARING COMPOUNDS, STRONG REDUCERS AND MOISTURE.
CONDITIONS OF REACTIVITY	NOT AVAILABLE
HAZARDOUS DECOMPOSITION PRODUCTS	THERMAL DECOMPOSITION RELEASES NOXIOUS GASES.

**MURSATT MATERIAL SAFETY DATA SHEET PRODUCT: BROMINATING TABLETS FOR SPAS AND HOT TUBS****SECTION VI TOXICOLOGICAL PROPERTIES**

ROUTE OF ENTRY:	EYE CONTACT	[ X ]	INGESTION	[ X ]
	SKIN CONTACT	[ X ]	INHALATION	[ X ]
	SKIN ABSORPTION	[ ]		

EFFECTS OF ACUTE EXPOSURE	SEVERE IRRITATION TO SKIN, EYES, NOSE, THROAT AND MUCOUS MEMBRANES. IF INHALED, MAY CAUSE DAMAGE TO LUNGS.
EFFECTS OF CHRONIC EXPOSURE	NOT AVAILABLE
EXPOSURE LIMITS	NOT AVAILABLE
IRRITANCY OF PRODUCT	SEVERE TO SKIN, EYES, NOSE, THROAT AND LUNGS.
SENSITIZATION	MAY BE INDUCED IF REPETITIVE.
EVIDENCE OF CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY OR MUTAGENICITY	NONE KNOWN
TOXICOLOGICALLY SYNERGISTIC PRODUCTS	NONE KNOWN

**SECTION VII PREVENTATIVE MEASURES**

PERSONAL EQUIPMENT	PROTECTIVE	GOGGLES OR FACE SHIELD. RUBBER OR NEOPRENE GLOVES. USE DUST MASK IF DUSTS PRESENT.
ENGINEERING CONTROLS		NORMAL ROOM VENTILATION.
LEAK & SPILL PROCEDURE		FOR SMALL SPILLS, SWEEP UP FOR DISPOSAL. FLUSH AREA WITH PLENTY OF WATER.
WASTE DISPOSAL		IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND MUNICIPAL ENVIRONMENTAL REGULATIONS.
HANDLING PROCEDURES & EQUIPMENT		WASH AFTER HANDLING. USE GOOD INDUSTRIAL HYGIENE.
STORAGE REQUIREMENTS		STORE IN A COOL, DRY PLACE AWAY FROM INCOMPATIBLES
SPECIAL SHIPPING INFORMATION		CLASS 5.1, PG II, UN 1479 "LIMITED QUANTITY", PACKAGED IN 750 GM JAR.

**SECTION VIII FIRST AID MEASURES**

EYE CONTACT	GENTLY WIPE AWAY EXCESS MATERIAL. FLUSH WITH WATER FOR 15 MINUTES. CONTACT PHYSICIAN.
SKIN CONTACT	WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, CONTACT PHYSICIAN.
INGESTION	DO NOT INDUCE VOMITING. GIVE VICTIM 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS. CONTACT PHYSICIAN IMMEDIATELY.
INHALATION	REMOVE TO FRESH AIR. ASSIST BREATHING IF NECESSARY. IF IRRITATION PERSISTS, CONTACT PHYSICIAN.

**SECTION IX PREPARATION DATA**

PREPARED BY: MURSATT TECHNICAL DEPT.

DATE PREPARED: MAR 28/08

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