

## MURSATT MATERIAL SAFETY DATA SHEET

### SECTION I MATERIAL IDENTIFICATION

PRODUCT IDENTIFIER	<b>BROME-ADD</b>	CODE: S40
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 AND SPA WATER TREATMENT	
PROPOSED WHMIS CLASS	NOT REGULATED	

### SECTION II HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY	% w/w	CAS #	UN	LD50 (mg/kg)	LC50 (mg/m <sup>3</sup> )
NO HAZARDOUS INGREDIENTS					

### SECTION III PHYSICAL DATA

STATE	LIQUID	ODOUR	NONE
APPEARANCE	WATER-WHITE LIQUID	ODOUR THRESHOLD	NOT APPLICABLE
SPECIFIC GRAVITY	1.35	VAPOUR PRESSURE	NOT AVAILABLE
pH	6.0-8.0	VAPOUR DENSITY	NOT AVAILABLE
BOILING POINT °C	> 100	EVAPORATION RATE	NOT AVAILABLE
FREEZING POINT °C	0	COEF. WATER/OIL DISTRIBUTION	NOT AVAILABLE

### SECTION IV FIRE AND EXPLOSION DATA

FLASHPOINT °C & METHOD	NONE
UPPER FLAMMABLE LIMIT (% VOLUME)	NOT APPLICABLE
LOWER FLAMMABLE LIMIT (% VOLUME)	NOT APPLICABLE
CONDITIONS OF FLAMMABILITY	NOT APPLICABLE
MEANS OF EXTINCTION	AS FOR SURROUNDING FIRE
AUTO IGNITION TEMPERATURE	NOT APPLICABLE
HAZARDOUS COMBUSTION PRODUCTS	DECOMPOSES AT 800 C RELEASING TOXIC BROMINE FUMES.
EXPLOSION DATA	NOT AVAILABLE
SENSITIVITY TO STATIC DISCHARGE	NOT APPLICABLE

### SECTION V REACTIVITY DATA

CHEMICAL STABILITY	STABLE
INCOMPATIBLE MATERIALS	STRONG ACIDS AND OXIDIZERS, BROMINE TRIFLUORIDE
CONDITIONS OF REACTIVITY	NOT APPLICABLE
HAZARDOUS DECOMPOSITION PRODUCTS	HYDROGEN BROMIDE

<b>SECTION VI TOXICOLOGICAL PROPERTIES</b>
--

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

EFFECTS OF ACUTE EXPOSURE	MAY CAUSE SLIGHT NON-PERSISTENT IRRITATION TO EYES AND SKIN. IF INGESTED, MAY CAUSE NAUSEA, VOMITING AND CENTRAL NERVOUS SYSTEM DEPRESSION. LARGE QUANTITIES MAY CAUSE COMA AND PARALYSIS. IF INHALED, MAY CAUSE IRRITATION OF UPPER RESPIRATORY SYSTEM.
---------------------------	--

EFFECTS OF CHRONIC EXPOSURE	NOT AVAILABLE
EXPOSURE LIMITS	NOT AVAILABLE
IRRITANCY OF PRODUCT	SLIGHT
SENSITIZATION	NOT AVAILABLE
EVIDENCE OF CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY OR MUTAGENICITY	NONE KNOWN
TOXICOLOGICALLY SYNERGISTIC PRODUCTS	NONE KNOWN

<b>SECTION VII PREVENTATIVE MEASURES</b>
--

PERSONAL EQUIPMENT	PROTECTIVE	GOGGLES OR FACE SHIELD. RUBBER OR NEOPRENE GLOVES.
ENGINEERING CONTROLS		NORMAL ROOM VENTILATION.
LEAK & SPILL PROCEDURE		FOR SMALL SPILLS, FLUSH TO SEWER 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
SPECIAL SHIPPING INFORMATION		NOT REGULATED

<b>SECTION VIII FIRST AID MEASURES</b>
--

EYE CONTACT	FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS CONTACT PHYSICIAN.
SKIN CONTACT	WASH WITH SOAP AND WATER.
INGESTION	DO NOT INDUCE VOMITING. GIVE VICTIM 2 GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS. CONTACT PHYSICIAN.
INHALATION	REMOVE TO FRESH AIR.

<b>SECTION IX PREPARATION DATA</b>
------------------------------------

PREPARED BY: MURSATT TECHNICAL DEPT.

DATE PREPARED: MAR 28/08

All information in this MSDS is obtained from sources considered to be reliable and is believed to be correct, however, it is submitted without any warrantee. The data are offered solely for your consideration, investigation and verification.