

# MURSATT MATERIAL SAFETY DATA SHEET

## SECTION I MATERIAL IDENTIFICATION

PRODUCT IDENTIFIER	PRETREAT	CODE: M00015
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> )
SODIUM BROMIDE (NATRIUM BROM.)		7647-15-6	N/A	ORAL 3500/RATS ORAL 7000/MICE	N/A - RATS

## SECTION III PHYSICAL DATA

STATE	SOLID	ODOUR	NONE
APPEARANCE	WHITE CRYSTALLINE	ODOUR THRESHOLD	NOT AVAILABLE
SPECIFIC GRAVITY	3.203	VAPOUR PRESSURE	NOT AVAILABLE
pH	5.5 – 8.5	VAPOUR DENSITY	NOT AVAILABLE
BOILING POINT °C	1390	EVAPORATION RATE	NOT AVAILABLE
FREEZING POINT °C	755	COEF. WATER/OIL DISTRIBUTION	NOT AVAILABLE

## SECTION IV FIRE AND EXPLOSION DATA

FLASHPOINT °C & METHOD	NOT APPLICABLE
UPPER FLAMMABLE LIMIT (% VOLUME)	NOT APPLICABLE
LOWER FLAMMABLE LIMIT (% VOLUME)	NOT APPLICABLE
CONDITIONS OF FLAMMABILITY	NOT APPLICABLE
MEANS OF EXTINGUISH	WATER FOG, CARBON DIOXIDE (CO <sub>2</sub> ), FOAM OR DRY CHEMICAL
AUTO IGNITION TEMPERATURE	NOT APPLICABLE
HAZARDOUS COMBUSTION PRODUCTS	DECOMPOSES AT 800°C RELEASING TOXIC BROMINE FUMES
EXPLOSION DATA	NOT APPLICABLE
SENSITIVITY TO STATIC DISCHARGE	NOT APPLICABLE

## SECTION V REACTIVITY DATA

CHEMICAL STABILITY	STABLE UNDER NORMAL CONDITIONS. AVOID EXCESSIVE HEAT
INCOMPATIBLE MATERIALS	STRONG ACIDS, STRONG OXIDIZING AGENTS AND BROMINE TRIFLOURIDE
CONDITIONS OF REACTIVITY	BROMINE TRIFLOURIDE WILL REACT VIOLENTLY
HAZARDOUS DECOMPOSITION PRODUCTS	HYDROGEN BROMIDE

## SECTION VI TOXICOLOGICAL PROPERTIES

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

EFFECTS OF ACUTE EXPOSURE	INGESTION: MAY CAUSE NAUSEA, VOMITING AND CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION. LARGE QUANTITIES MAY CAUSE COMA AND PARALYSIS/ INHALATION: MAY CAUSE IRRITATION OF THE UPPER RESPIRATORY TRACE.
EFFECTS OF CHRONIC EXPOSURE	NOT AVAILABLE
EXPOSURE LIMITS	NOT AVAILABLE
IRRITANCY OF PRODUCT	SLIGHT NON-PERSISTENT IRRITATION TO EYES. MILD IRRITATION RESULTING IN RASH OR BROMODERMA UPON PROLONGED EXPOSURE TO SKIN.
SENSITIZATION	NOT AVAILABLE
EVIDENCE OF CARCINOGENICITY,	NO.PRODUCT IS NOT ON THE NTP, IARC OR OSHA LIST OF CARCINOGENS
REPRODUCTIVE TOXICITY,	NOT AVAILABLE
TERATOGENICITY OR MUTAGENICITY	NOT AVAILABLE
TOXICOLOGICALLY SYNERGISTIC PRODUCTS	NOT AVAILABLE

## SECTION VII PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT	RUBBER OR PLASTIC GLOVES, CHEMICAL GOGGLES, NIOSH/MSHA
ENGINEERING CONTROLS	GENERAL MECHANICAL VENTILATION OR LOCAL EXHAUST SYSTEM.
LEAK & SPILL PROCEDURE	WEAR NECESSARY PROTECTIVE CLOTHING AND EQUIPMENT. SWEEP UP WHILE AVOIDING DUST GENERATION. PLACE IN A PROPERLY LABELLED CONTAINER FOR LATER DISPOSAL. LARGER SPILLS MAY REQUIRE A VACUUM.
WASTE DISPOSAL	INCINERATE IN AN APPROVED FACILITY IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND MUNICIPAL ENVIRONMENTAL REGULATIONS.
HANDLING PROCEDURES & EQUIPMENT	DO NOT HANDLE UNLESS THE SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. AVOID EYE AND SKIN CONTACT. AVOID INHALATION OF DUST OR VAPOURS. DO NOT PUNCTURE, DRAG OR SLIDE CONTAINERS. DO NOT SMOKE IN ANY CHEMICAL HANDLING OR STORAGE AREA. WASH HANDS BEFORE EATING.
STORAGE REQUIREMENTS	STORE IN A COOL, DRY AND WELL VENTILATED AREA. AVOID DUST GENERATION. KEEP CONTAINERS TIGHTLY CLOSED. STORE AWAY FROM INCOMPATIBLE MATERIALS.
SPECIAL SHIPPING INFORMATION	TDG REGULATION. NOT REGULATED FOR TRANSPORT IN CANADA.

## SECTION VIII FIRST AID MEASURES

EYE CONTACT	FLUSH EYES IMMEDIATELY WITH FLOWING WATER FOR AT LEAST 15 MINUTES WHILE KEEPING THE UPPER AND LOWER EYELIDS APART. CONSULT A PHYSICIAN IMMEDIATELY.
SKIN CONTACT	REMOVE CONTAMINATED CLOTHING. WASH AFFECTED SKIN AREA WITH SOAP AND WATER AND RINSE THOROUGHLY WITH FLOWING WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN IF IRRITATION PERSISTS OR DEVELOPS.
INGESTION	DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER. CONSULT A PHYSICIAN IMMEDIATELY.
INHALATION	REMOVE TO FRESH AIR. ASSIST BREATHING IF NECESSARY. GIVE OXYGEN OR ADMINISTER ARTIFICIAL RESPIRATION IF REQUIRED.IF IRRITATION PERSISTS, CONTACT PHYSICIAN. NOTE: NEVER GIVE FLUIDS OR INDUCE VOMITING TO AN UNCONSCIOUS VICTIM. PLACE VICTIM IN A STABLE SIDE POSITION AND KEEP WARM.

## SECTION IX PREPARATION DATA

PREPARED BY: MURSATT TECHNICAL DEPT.

DATE PREPARED: MAR 28/08

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