SAFETY DATA SHEET

MURSATT CHEMICALS LIMITED 11 REGALCREST COURT WOODBRIDGE, ONTARIO, CANADA, L4L 8P3 (905)-850-8444

PRODUCT: BROME-OX

SECTION 01: IDENTIFICATION

PRODUCT CODE PRODUCT IDENTIFIER OTHER MEANS OF IDENTIFICATION RECOMMENDED USE AND RESTRICTIONS ON USE	N.AV.
SUPPLIER IDENTIFIER	MURSATT CHEMICALS LIMITED 11 REGALCREST COURT WOODBRIDGE, ONTARIO CANADA
EMERGENCY PHONE NO	L4L 8P3 CANUTEC (613)-996-6666.

SECTION 02: HAZARD IDENTIFICATION



HAZARD CLASSIFICATION	ACUTE TOXICITY (ORAL) - CATEGORY 4. SKIN CORROSION - CATEGORY 1B. SERIOUS EYE DAMAGE - CATEGORY 1.
SIGNAL WORD	
HAZARD STATEMENT	H302 HARMFUL IF SWALLOWED. H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
PRECAUTIONARY STATEMENT	P264 WASH SKIN THOROUGHLY AFTER HANDLING. P270 DO NO EAT, DRINK OR
	ACCORDANCE WITH LOCAL AND NATIONAL REGULATIONS.
OTHER HAZARDS	NONE.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS			
HAZARDOUS INGREDIENTS	CAS #	WT. %	
PENTAPOTASSIUM BIS(PEROXYMONOSULPHATE) BIS(SULPHATE)	70693-62-8	60-100	
DIPOTASSIUM PEROXODISULPHATE	7727-21-1	0-5	
TETRA[CARBONATO(2-)]DIHYDROXYPENTAMAGNESIUM	7760-50-1	<2	
SODIUM CARBONATE	497-19-8	10-30	
SODIUM SULPHATE	7757-82-6	10-30	

CODE: MUR0003

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SECTION 04: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:	
EYE CONTACT	RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
SKIN CONTACT	IF ON SKIN, RINSE WELL WITH WATER. TAKE OFF CONTAMINATED CLOTHING AND SHOES IMMEDIATELY. IF SKIN IRRITATION PERSISTS, CALL A PHYSICIAN. WASH
	CONTAMINATED CLOTHING BEFORE RE-USE.
INHALATION	MOVE TO FRESH AIR. OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. CALL A
	PHYSICIAN IMMEDIATELY.
INGESTION	DO NOT INDUCE VOMITING. DRINK 1 OR 2 GLASSES OF WATER. NEVER GIVE
	ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN
	IMMEDIATELY.
MOST IMPORTANT SYMPTOMS AND	SEE SECTION 11.
EFFECTS, ACUTE OR DELAYED:	
INDICATIÓN OF ANY IMMEDIATE MEDICAL	NAV.
ATTENTION AND SPECIAL TREATMENT	
NEEDED	

SECTION 05: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	USE EXTINGUISHING MEASURES THAT ARE APPROPRIATE TO LOCAL
	CIRCUMSTANCES AND THE SURROUNDING ENVIRONMENT.
UNSUITABLE EXTINGUISHING MEDIA	
SPECIAL HAZARDS ARISING FROM THE	THE PRODUCT ITSELF DOES NOT BURN.
PRODUCT:	
HAZARDOUS COMBUSTION PRODUCTS.	HAZARDOUS DECOMPOSITION PRODUCTS OXYGEN, SULPHUR DIOXIDE,
	SULPHUR TRIOXIDE. OXIDES OF CARBON. OXIDES OF SULPHUR. SODIUM OXIDE.
SPECIAL PROTECTIVE EQUIPMENT AND	WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE SUIT.
PRECAUTIONS FOR FIRE-FIGHTERS:	

SECTION 06: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	EVACUATE PERSONNEL TO SAFE AREAS. USE PERSONAL PROTECTIVE
ENVIRONMENTAL PRECAUTIONS	EQUIPMENT. DO NOT ALLOW TO ENTER DRAINS, SEWERS OR WATERCOURSES.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP	SWEEP UP AND SHOVEL INTO SUITABLE CONTAINERS FOR DISPOSAL. AVOID DUST FORMATION. AFTER CLEANING, FLUSH AWAY TRACES WITH WATER.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:.....

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY IMCOMPATIBILITES:

USE ONLY IN WELL-VENTILATED AREAS. DO NOT BREATHE DUST. AVOID DUST FORMATION IN CONFINED AREAS. AVOID CONTACT WITH SKIN AND EYES. KEEP AWAY FROM HEAT AND FLAME. WASH HANDS BEFORE BREAKS AND IMMEDIATELY AFTER HANDLING THE PRODUCT. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. KEEP CONTAINERS TIGHTLY CLOSED IN A DRY, COOL AND WELL-VENTILATED PLACE. PROTECT FROM CONTAMINATION. STORE IN ORIGINAL CONTAINER. KEEP AWAY FROM COMBUSTIBLE MATERIAL. NEVER ALLOW PRODUCT TO GET IN CONTACT WITH WATER DURING STORAGE. STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENTS	ACGI TWA	H TLV STEL	OSH/ PEL	A PEL STEL	NIOSH REL
PENTAPOTASSIUM BIS(PEROXYMONOSUL PHATE) BIS(SULPHATE)	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.
	0.1 MG/M3 AS PERSULPHATE	N.AV.	N.AV.	N.AV.	N.AV.
TETRA[CARBONATO(2-)] DIHYDROXYPENTAMAG NESIUM	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.
SODIUM CARBONATE	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.
SODIUM SULPHATE	N.AV.	N.AV.	N.AV.	N.AV.	N.AV.

APPROPRIATE ENGINEERING CONTROLS ENSURE ADEQAUTE VENTILATION.

PRODUCT: BROME-OX

CODE: MUR0003

SECTION 08: EXPOSURE CONTROLS AND PERSONAL PROTECTION

INDIVIDUAL PROTECTION MEASURE SUCH AS PERSONAL PROTECTIVE EQUIPMENTS:	
HAND PROTECTION	IMPERVIOUS GLOVES.
RESPIRATORY PROTECTION	WHEN WORKERS ARE FACING CONCENTRATIONS ABOVE THE EXPOSURE LIMIT
	THEY MUST USE APPROPRIATE CERTIFIED RESPIRATORS. WEAR A POSITIVE-PRESSURE SUPPLIED-AIR RESPIRATOR.
EYE PROTECTION	
	APPROPRIATE IMPERVIOUS APRON, PANTS, JACKET, HOOD .
PROTECTIVE FOOTWEAR	
OTHER	
HYGIENIC PRACTICES	WORKSTATION LOCATION. USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING,
	DRINKING, OR SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE
	CONTAMINATED CLOTHING AND WASH THOROUGHLY BEFORE REUSE.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE COLOR ODOUR MADE AND	SOLID. GRANULAR. WHITE. ODOURLESS. N.AV. 4.5 (1% SOLUTION). N.AV. N.AP. N.AP. N.AP. N.AV. N.AV. N.AV. N.AV. N.AV.
VAPOUR PRESSURE (MMHG) VAPOUR DENSITY (AIR=1) RELATIVE DENSITY SOLUBILITY IN WATER (% W/W) COEFFICIENT OF WATER/OIL DIST AUTO IGNITION TEMPERATURE	N.AP. N.AP. 1.3. N.AV. N.AV. N.AV.
DECOMPOSITION TEMPERATURE	N.AV. N.AP.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: CHEMICAL STABILITY	
POSSIBILITY OF HAZA	
REACTIONS:	
CONDITIONS TO AVOI	
INCOMPATIBLE MATE	RIALS:
HAZARDOUS PRODUC	CTS OF
DECOMPOSITION	

... STABLE UNDER RECOMMENDED STORAGE CONDITIONS. ... STABLE UNDER NORMAL CONDITIONS. ... N.AV.

TEMPERATURE > 50 C (> 122 F), AVOID EXTREME HEAT. HALOGENATED COMPOUNDS CYANIDES, HEAVY METAL SALTS, COMBUSTIBLES. OXYGEN, SULFUR DIOXIDE, SULFUR TRIOXIDE.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS		LC50	LD50
PENTAPOTASSIUM BIS(PEROXYMONOSULF BIS(SULPHATE)	PHATE)	N.AV.	500 MG/KG (ORAL, RAT)
DIPOTASSIUM PEROXODISULPHATE		N.AV.	1130 MG/KG (ORAL, RAT)
TETRA[CARBONATO(2-)]DIHYDROXYPENTAMAGNESIUM		N.AV.	> 2,000 MG/KG (ORAL, RAT)
SODIUM CARBONATE		2300 MG/M3 (IHL, RAT) - 2H	4090 MG/KG (ORAL, RAT); 2210 MG/KG (DERMAL, MOUSE)
SODIUM SULPHATE INFORMATION ON LIKELY ROUTES OF		N.AV.	5989 MG/KG)ORAL, RAT)
ENTRY: SKIN CONTACT SKIN ABSORPTION EYE CONTACT INHALATION	N.AV. . SEVERE EYE IRRITATION (RABBIT).		

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SAFETY DATA SHEET

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SECTION 11: TOXICOLOGICAL INFORMATION

INGESTION EFFECTS OF ACUTE EXPOSURE EFFECTS OF CHRONIC EXPOSURE SIGNS AND SYMPTOMS OF OVEREXPOSURE	SEE ABOVE.
CARCINOGENICITY OF MATERIAL	NONE OF THE COMPONENTS PRESENT IN THIS MATERIAL AT CONCENTRATIONS EQUAL TO OR GREATER THAN 0.1% ARE LISTED BY IARC, NTP, OSHA OR ACGIH AS A CARCINOGEN.
TERATOGENICITY	N.AV.
MUTAGENICITY	N.AV.
REPRODUCTIVE EFFECTS	N.AV.
SENSITIZING CAPABILITY OF MATERIAL SYNERGISTIC MATERIALS	. DID NOT CAUSE SENSITIZATION ON LABORATORY ANIMALS., GUINEA PIG. N.AV.
LD 50 OF MATERIAL, SPECIES & ROUTE.	
LC 50 OF MATERIAL, SPECIES & ROUTE.	INHALATION 4 HOUR LC50: > 5 MG/L IN RATS.

SECTION 12: ECOLOGICAL CONSIDERATIONS

ECOTOXICITY PERSISTENCE AND DEGRADATION BIOACCUMULATIVE POTENTIAL MOBILITY IN SOIL	N.AV. N.AV.
OTHER ADVERSE EFFECTS	

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:..... DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

UN NUMBER PROPER SHIPPING NAME	3260. CORI
TDG CLASSIFICATION	8.
PACKING GROUP	II.
ENVIRONMENTAL HAZARDS ACCORDING	N.AV.
TO THE INTERNATIONAL MARITIME	
DANGEROUS GOODS CODE AND THE	
UNITED NATIONS MODEL REGULATIONS:	
SPECIAL PRECAUTIONS IN CONNECTION	N.AV
WITH TRANSPORT OR CONVEYANCE	
EITHER WITHIN OR OUTSIDE THE	
PREMISES:	

CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (MONOPERSULFATE COMPOUND). 8.

SECTION 15: REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL N.AV. REGULATIONS SPECIFIC TO THE PRODUCT:

SECTION 16: OTHER INFORMATION

N.AV.=NOT AVAILABLE N.AP.=NOT APPLICABLE	
OTHER INFORMATION	THE DATA IN THIS MSDS RELATES ONLY TO THE SPECIFIC MATERIAL
	DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH
	ANY OTHER MATERIAL OR IN ANY PROCESS. THIS DATA IS OFFERED IN GOOD
	FAITH AS TYPICAL VALUES AND NOT AS PRODUCT SPECIFICATIONS. NO
	WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE
	RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE
	BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD
	REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE
	INTENDED USE AND DETERMINE WHETHER THET ARE APPROPRIATE.
PREPARED BY	
PREPARATION DATE	APR 18/2017

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