

## MURSATT MATERIAL SAFETY DATA SHEET

### SECTION I MATERIAL IDENTIFICATION

PRODUCT IDENTIFIER	<b>SPA-SHOCK</b>	CODE: S20
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	SPA SANITIZER	
PROPOSED WHMIS CLASS	[C] OXIDIZER, [D2B] TOXIC, [E] CORROSIVE	

### SECTION II HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY	% w/w	CAS #	UN	LD50 (mg/kg)	LC50 (mg/m <sup>3</sup> )
LITHIUM HYPOCHLORITE	27 - 30	13840-33-0	1471	NOT AVAILABLE	NOT AVAILABLE

### SECTION III PHYSICAL DATA

STATE	SOLID	ODOUR	CHLORINE
APPEARANCE	WHITE POWDER	ODOUR THRESHOLD	NOT AVAILABLE
SPECIFIC GRAVITY	0.9 G/CC BULK DENSITY	VAPOUR PRESSURE	NOT AVAILABLE
pH	NOT AVAILABLE	VAPOUR DENSITY	NOT AVAILABLE
BOILING POINT °C	NOT AVAILABLE	EVAPORATION RATE	NOT AVAILABLE
FREEZING POINT °C	NOT AVAILABLE	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	CHLORINE GAS AND OXYGEN.
EXPLOSION DATA	NOT APPLICABLE
SENSITIVITY TO STATIC DISCHARGE	NOT APPLICABLE

### SECTION V REACTIVITY DATA

CHEMICAL STABILITY	STABLE
INCOMPATIBLE MATERIALS	OTHER CHLORINE COMPOUNDS, FLAMMABLE OR COMBUSTIBLE MATERIALS, ORGANIC MATERIALS, NITROGEN-CONTAINING COMPOUNDS, ACIDS.
CONDITIONS OF REACTIVITY	CONTACT WITH INCOMPATIBLE MATERIALS.
HAZARDOUS DECOMPOSITION PRODUCTS	CHLORINE GAS

### SECTION VI TOXICOLOGICAL PROPERTIES

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

EFFECTS OF ACUTE EXPOSURE      CORROSIVE TO EYES, SKIN AND MUCOUS MEMBRANES. IF INGESTED, MAY CAUSE BURNS TO MOUTH, THROAT AND DIGESTIVE TRACT. IF INHALED, MAY CAUSE IRRITATION OF NOSE, THROAT AND LUNGS. MINOR COMPONENTS SODIUM CHLORIDE AND CHLORATE SALTS MAY CAUSE HYPERTENSION, HEART FAILURE, GASTRITIS, CENTRAL NERVOUS SYSTEM DEPRESSION, OXIDATION OF HEMOGLOBIN AND RENAL TOXICITY.

EFFECTS OF CHRONIC EXPOSURE      NOT AVAILABLE  
 EXPOSURE LIMITS                      NOT AVAILABLE  
 IRRITANCY OF PRODUCT                SEVERE IRRITANT TO EYES, SKIN AND MUCOUS MEMBRANES.  
 SENSITIZATION                          NOT AVAILABLE  
 EVIDENCE OF CARCINOGENICITY,      NONE KNOWN  
 REPRODUCTIVE TOXICITY,  
 TERATOGENICITY OR MUTAGENICITY  
 TOXICOLOGICALLY SYNERGISTIC      NONE KNOWN  
 PRODUCTS

### SECTION VII PREVENTATIVE MEASURES

PERSONAL EQUIPMENT	PROTECTIVE	GOGGLES OR FACE SHIELD. RUBBER OR NEOPRENE GLOVES. NIOSH-APPROVED RESPIRATOR IF EXPOSURE LIMITS ARE EXCEEDED.
ENGINEERING CONTROLS		LOCAL EXHAUST.
LEAK & SPILL PROCEDURE		KEEP INCOMPATIBLES AWAY FROM SPILL. VENTILATE AREA. 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, WELL-VENTILATED PLACE, AWAY FROM INCOMPATIBLES.
SPECIAL SHIPPING INFORMATION		CLASS 5.1, PG II, UN 1471 "LIMITED QUANTITY", PACKAGED IN 800 GR JAR.

### SECTION VIII FIRST AID MEASURES

EYE CONTACT	FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, CONTACT PHYSICIAN.
SKIN CONTACT	WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, CONTACT PHYSICIAN.
INGESTION	INDUCE VOMITING. RINSE MOUTH WITH WATER. GIVE VICTIM 2 GLASSES OF WATER AND PRESS FINGER AT BACK OF TONGUE. NEVER GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS. CONTACT PHYSICIAN IMMEDIATELY.
INHALATION	REMOVE TO FRESH AIR. IF IRRITATION PERSISTS, CONTACT PHYSICIAN.

### SECTION IX PREPARATION DATA

PREPARED BY: MURSATT TECHNICAL DEPT.

DATE PREPARED: MAR 28/08

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