

RSATT MATERIAL SAFETY DATA SHEET

SECTION I MATERIAL IDENTIFICATION

PRODUCT IDENTIFIER	MURIATIC ACID	CODE: M81
MANUFACTURER	MURSATT CHEMICALS LIMITED	
ADDRESS	71 CARLAUREN ROAD, WOODBRIDGE, ONT., L4L 8A8	
MANUFACTURER'S PHONE	(905) 850-8444	
EMERGENCY PHONE	CANUTEC (613) 996-6666	
PRODUCT USE	ACID CLEANER	
PROPOSED WHMIS CLASS	[D1A] TOXIC, [E] CORROSIVE	

SECTION II HAZARDOUS INGREDIENTS

CHEMICAL IDENTITY	% w/w	CAS #	UN	LD50 (mg/kg)	LC50 (mg/m ³)
HYDROCHLORIC ACID	30 - 60	7647-01-0	1789	NOT AVAILABLE	781 PPM (INHAL.,RAT)

SECTION III PHYSICAL DATA

STATE	LIQUID	ODOUR	SHARP, PUNGENT
APPEARANCE	SLIGHTLY YELLOW	ODOUR THRESHOLD	NOT AVAILABLE
SPECIFIC GRAVITY	1.16	VAPOUR PRESSURE	24 mm Hg
pH	<1	VAPOUR DENSITY	NOT AVAILABLE
BOILING POINT °C	81.5	EVAPORATION RATE	NOT AVAILABLE
FREEZING POINT °C	-40	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	NOT AVAILABLE
EXPLOSION DATA	CONTACT WITH METALS MAY GENERATE FLAMMABLE HYDROGEN GAS
SENSITIVITY TO STATIC DISCHARGE	NOT APPLICABLE

SECTION V REACTIVITY DATA

CHEMICAL STABILITY	STABLE
INCOMPATIBLE MATERIALS	ALKALIS, MOST METALS, OXIDIZERS
CONDITIONS OF REACTIVITY	NOT AVAILABLE
HAZARDOUS DECOMPOSITION PRODUCTS	NONE

SECTION VI TOXICOLOGICAL PROPERTIES
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ROUTE OF ENTRY:	EYE CONTACT	[X]	INGESTION	[X]
	SKIN CONTACT	[X]	INHALATION	[X]
	SKIN ABSORPTION	[]		

EFFECTS OF ACUTE EXPOSURE	SEVERE IRRITATION AND CORNEAL DAMAGE TO EYES. SEVERE SKIN BURNS. INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION OR ULCERATION AND SEVERE BURNS OF THE MOUTH AND THROAT. EXCESSIVE VAPOUR CONCENTRATIONS MAY CAUSE SERIOUS ADVERSE EFFECTS, IRRITATION AND INJURY TO UPPER RESPIRATORY TRACT AND LUNGS AND EVEN DEATH.
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EFFECTS OF CHRONIC EXPOSURE	NOT AVAILABLE
EXPOSURE LIMITS	5 PPM FOR HYDROCHLORIC ACID
IRRITANCY OF PRODUCT	SEVERE
SENSITIZATION	NOT AVAILABLE
EVIDENCE OF CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY OR MUTAGENICITY	NONE KNOWN
TOXICOLOGICALLY SYNERGISTIC PRODUCTS	NONE KNOWN

SECTION VII PREVENTATIVE MEASURES
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PERSONAL EQUIPMENT	PROTECTIVE	GOGGLES OR FACE SHIELD. RUBBER OR NEOPRENE GLOVES. SAFETY BOOTS. NIOSH-APPROVED RESPIRATOR. EYE WASH AND SAFETY SHOWER SHOULD BE CLOSE BY.
ENGINEERING CONTROLS		LOCAL EXHAUST VENTILATION TO CONTROL VAPOURS.
LEAK & SPILL PROCEDURE		FOR SMALL SPILLS, COVER WITH DRY SAND, GRAVEL OR ASHES. NEUTRALIZE AND DISPOSE OF IN PLASTIC CONTAINERS. NEUTRALIZE AND FLUSH AREA WITH PLENTY OF WATER. FOR LARGER SPILLS, NOTIFY APPROPRIATE GOVERNMENT AUTHORITY.
WASTE DISPOSAL		IN ACCORDANCE WITH FEDERAL, PROVINCIAL AND MUNICIPAL ENVIRONMENTAL REGULATIONS.
HANDLING PROCEDURES & EQUIPMENT		WASH AFTER HANDLING. USE GOOD INDUSTRIAL HYGIENE. USE PROPER ACID RESISTANT HANDLING MATERIALS.
STORAGE REQUIREMENTS		STORE IN A COOL, DRY, WELL-VENTILATED PLACE, AWAY FROM INCOMPATIBLES.
SPECIAL SHIPPING INFORMATION		CLASS 8,PGII, UN1789

SECTION VIII FIRST AID MEASURES
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EYE CONTACT	FLUSH WITH WATER FOR 30 MINUTES. CONTACT PHYSICIAN
SKIN CONTACT	WASH WITH SOAP AND WATER OR FLUSH WITH WATER FOR 30 MINUTES. CONTACT PHYSICIAN.
INGESTION	DO NOT INDUCE VOMITING. GIVE VICTIM LARGE QUANTITIES OF WATER. DO NOT GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS. CONTACT PHYSICIAN IMMEDIATELY.
INHALATION	REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, GIVE MOUTH-TO-MOUTH RESUSCITATION. CONTACT PHYSICIAN.

SECTION IX PREPARATION DATA

PREPARED BY: MURSATT TECHNICAL DEPT.

DATE PREPARED: MAR 28/08

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