

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER:.. SUPPLIER:
Multi-Blend Ltd
2720 Slough Street
Mississauga
Ontario L4T 1G3
EMERGENCY TEL: CANUTEC 613-996-6666
PRODUCT NAME: **MURIATIC ACID**
CHEMICAL NAME:NA
CHEMICAL FAMILY:HYDROCHLORIC ACID
PRODUCT USE: DELIMING, DESCALING

IRRITANCY OF MATERIAL..CORROSIVE TO EYES AND SKIN
SENSITIZATION TO MATERIAL.....SKIN & MUCOUS MEMBRANES
CARCINOGENICITY.....NA
REPRODUCTIVE TOXICITY.....NA
TERATOGENICITY.....NA
MUTAGENICITY.....NA
SYNERGISTIC PRODUCTS.....NA

SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS- INGREDIENTS	APPROX- CONC.	CAS NO.	LD(50) (RAT ORAL)	LC(50) RAT INHALATION
HYDROGEN CHLORIDE	15-40	7647-01-0	900 MG/KG	3124 PPM / 1 HR

SECTION III PHYSICAL DATA

PHYSICAL STATE.....LIQUID
ODOUR AND APPEARANCE.....LIGHT YELLOW PUNGENT ODOUR
ODOUR THRESHOLD.....N. AV
SPECIFIC GRAVITY.....1.01
VAPOUR PRESSURE.....NE
VAPOUR DENSITY(air=1).....NE
EVAPORATION RATE.....>1
SOLUBILITY IN WATER.....COMPLETE
BOILING POINT.....92 DEG. C
pH.....1.5
COEFF. WATER/OIL DISTR....NA

SECTION IV FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY.....NOT FLAMMABLE
EXTINGUISHING MEDIA.....CARBON DIOXIDE, DRY CHEMICAL,
FOAM, WATER
SPECIAL PROCEDURES.....FIREFIGHTERS SHOULD WEAR
SELF CONTAINED BREATHING APPARATUS
FLASH POINT (DEG)C.....NONE
HAZARDOUS COMBUSTION PRODUCTS..NA
UPPER FLAMMABLE LIMIT.....NA
LOWER FLAMMABLE LIMIT.....NA
AUTO IGNITION TEMP.....NA
EXPLOSION DATA.....NA
SENSITIVITY TO STATIC CHARGE...NA

SECTION V REACTIVITY DATA

CHEMICAL STABILITY.....STABLE
CONDITIONS TO AVOID.....EXCESSIVE HEAT, SPARKS AND O
PEN FLAME
INCOMPATIBLE SUBSTANCES.....ALKALIES, COMBUSTIBLE M
ATERIALS,
OXIDIZING AGENTS, REDUCING MATERIALS, CYANIDES, SULPHI
DES, FORMALDEHYDE.
HAZARDOUS DECOMPOSITION.....HYDROGEN GAS
HAZARDOUS POLYMERIZATION.....WILL NOT OCCUR

SECTION VI TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY
SKIN CONTACT.....YES SKIN ABSORPTION..YES
EYE CONTACT.....YES INHALATION.....YES
INGESTION.....YES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:SKIN: MAY
CAUSE CHEMICAL BURN AND OR DERMATITIS. EYE CONTACT:
CONTACT WILL CAUSE SEVERE IRRITATION. INHALATION:
DIRECT AND REPEATED BREATHING OF VAPOURS MAY CAUSE
IRRITATION. INGESTION: WILL CAUSE BURNS OF MOUTH AND
OESOPHAGUS.

EFFECTS OF CHRONIC EXPOSURE:SEE ABOVE

EXPOSURE LIMITS EXPOSURE LIMITS: ACGIH TLV AND OSHA PEL
ARE 2 PPM CEILING.

SECTION VII PREVENTIVE MEASURES

HAND PROTECTION.....PVC OR RUBBER
EYE PROTECTION.....FACE SHIELD IF CONTACT
POSSIBLE
RESPIRATORY PROTECTION.....NORMAL VENTILATION
ADEQUATE OTHERWISE NIOSH APPROVED RESPIRATOR FOR
ORGANIC ACIDS.
FOOT WEAR.....RUBBER OR SIMILAR
CLOTHING.....RUBBER OR NEOPRENE TO PROTECT
REGULAR CLOTHING
ENGINEERING CONTROLS.....LOCAL EXHAUST ADEQUATE,
MECHANICAL VENTILATION REQUIRE IF WORKING WITH LARGE
QUANTITIES IN A CONFINED SPACE.
LEAK AND SPILL PROCEDURE.....WEAR APPROPRIATE
CLOTHING, VENTILATE AREA. SMALL SPILLS CAN BE
NEUTRALIZED WITH LARGE AMOUNTS OF WATER AND
FLUSHED. LARGER SPILLS SHOULD BE CONTAINED AND
PICKED UP WITH INERT ABSORBENT MATERIAL AND
TRANSFERRED TO RECOVERY CONTAINER. NEUTRALIZE
REMAINDER WITH SODA ASH.

WASTE DISPOSAL.....IN ACCORDANCE WITH MUNICIPAL
AND PROVINCIAL REGULATIONS
HANDLING PROCEDURES AND EQUIPMENT..AVOID SKIN AND
EYE CONTACT
STORAGE REQUIREMENTS.....0-40 DEG.C. KEEP FROM
FREEZING, KEEP CONTAINER SEALED AND AWAY FROM HEAT,
OPEN FLAMES AND INCOMPATIBLE MATERIALS.

SECTION VIII FIRST AID MEASURES

PROCEDURES: EYES: IMMEDIATELY WASH WITH WATER FOR
15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION
PERSISTS. SKIN: IMMEDIATELY FLUSH AREA WITH COPIOUS
AMOUNTS OF WATER THEN WASH WITH SOAP OR MILDLY
ALKALINE SOLUTION SUCH AS 2.5% SODIUM BICARBONATE
SOLUTION. IF REDDENING OR IRRITATION PERSISTS SEEK
MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING.
DRINK LARGE AMOUNTS OF MILK IF AVAILABLE OR WATER.
ANY KIND OF ANT-ACID TABLETS OR POWDER SHOULD BE
TAKEN. SEEK MEDICAL ATTENTION IMMEDIATELY.

ADDITIONAL INFORMATION

WHMIS CLASSIFICATION... CLASS D 1 A, CLASS E
TDG CLASSIFICATION.....CLASS 8
SHIPPING NAME CORROSIVE LIQUID N.O.S. (HYDROCHLORIC
ACID) PIN.....UN 1760 PACKING GROUP.....II
HAZARD RATING: HEALTH: 3 FIRE: 0 REACTIVITY:1
SPECIAL: ND

HAZARD RATING SCALE: 0=MINIMAL, 1=SLIGHT, 2=MODERATE,
3=SERIOUS, 4=SEVERE.
NA=NOT APPLICABLE, ND=NO DATA AVAILABLE, NE=NOT
ESTABLISHED, NR NOT REGULATED.

PREPARED BY: LAB GROUP DATE: May 15, 2011
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