

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: SUPPLIER:
MULTI-BLEND LTD.
2720 SLOUGH ST.
MISSISSAUGA, ONTARIO L4T 1G3
EMERGENCY - CANUTEC: 613-996-6666

PRODUCT NAME: **SCALE - X**
CHEMICAL NAME: NA
CHEMICAL FAMILY: HYDROCHLORIC ACID
PRODUCT USE: CLEANING

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
CITRIC ACID	1-5	77-92-9	8300 MG/KG	180 mg/M3

SECTION III PHYSICAL DATA

PHYSICAL STATE: LIQUID
ODOUR AND APPEARANCE: LIGHT RED SLIGHT PUNGENT
ODOR
ODOUR THRESHOLD: N. AV
SPECIFIC GRAVITY: 1.01
VAPOUR PRESSURE: N/E
VAPOUR DENSITY (AIR=1): N/E
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, AND 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 OPEN
FLAME
INCOMPATIBLE SUBSTANCES: ALKALIES, COMBUSTIBLE
MATERIALS, OXIDIZING AGENTS, REDUCING MATERIALS,
CYANIDES, SULPHIDES, AND 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 DERMITIS. EYE
CONTACT: CONTACT WILL CAUSE SEVERE IRRITATION.
INHALATION: DIRECT AND REPEATED BREATHING OF VAPORS
MAY CAUSE IRRITATION.

INGESTION: WILL CAUSE BURNS OF MOUTH AND ESOPHAGUS.
EFFECTS OF CHRONIC EXPOSURE: SEE ABOVE
EXPOSURE LIMITS: ACGIH TLV AND OSHA PEL ARE 2 PPM CEILING.
FOR HYDROGEN CHLORIDE
IRRITANCY OF MATERIAL: CORROSIVE TO EYES AND SKIN
SENSITIZATION TO MATERIAL: SKIN & MUCOUS MEMBRANES
CARCINOGENICITY: ND REPRODUCTIVE TOXICITY: ND
TERATOGENICITY: ND MUTAGENICITY: ND
SYNERGISTIC PRODUCTS: ND

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
AND VENTILATE AREA. SMALL SPILLS CAN BE NEUTRALIZED
WITH LARGE AMOUNTS OF WATER AND FLUSHED. LARGER
SPILLS SHOULD BE CONTAINED AND PICKED UP WITH INERT
ABSORBANT 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 REDDNING
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 E CLASS D DIV 2 B
TDG CLASSIFICATION: CLASS 8
SHIPPING NAME: CORROSIVE LIQUID N.O.S. (HYDROCHLORIC
ACID) PIN: UN 1760 PACKING GROUP: II

HAZARD RATING: HEALTH: 2 FIRE: 0 REACTIVITY: 1 SPECIAL: 0
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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