

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER:.. SUPPLIER:

Multi-Blend Ltd
2720 Slough Street
Mississauga
Ontario L4T 1G3

EMERGENCY TEL: 613-996-6666

PRODUCT NAME: **DELIMING SOLUTION**

CHEMICAL NAME: NA

CHEMICAL FAMILY: HYDROCHLORIC ACID

PRODUCT USE: DELIMING,

SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS- INGREDIENTS	APPROX- CONC.	CAS NO.	LD(50) (RAT ORAL)	LC(50) RAT INHALATION
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HYDROGEN CHLORIDE	15-40	7647-01-0	900 MG/KG	3700 PPM / 30 MINS
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SECTION III PHYSICAL DATA

PHYSICAL STATE.....LIQUID

ODOUR AND APPEARANCE.... PUNGENT ODOUR, CLEAR or GREEN LIQUID

ODOUR THRESHOLD.....ND

SPECIFIC GRAVITY..... 1.09 to 1.14 (Water = 1)

VAPOUR PRESSURE.....NE

VAPOUR DENSITY(air=1).....NE

EVAPORATION RATE.....>1

SOLUBILITY IN WATER.....COMPLETE

BOILING POINT.....100 DEG.. C

pH.....< 1

COEFF. WATER/OIL DISTR....NA

SECTION IV FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY.....NOT FLAMMABLE

EXTINGUISHING MEDIA..... SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. LARGE FIRE: Use water spray, fog or foam

SPECIAL PROCEDURES.....FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS

FLASH POINT (DEG.)C.....NONE

HAZARDOUS COMBUSTION PRODUCTS.. Hydrogen chloride gas.

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, SULFIDES, 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 SEVERE CHEMICAL BURN AND OR DERMATITIS. EYE CONTACT: CONTACT WILL CAUSE SEVERE IRRITATION, PAIN, WITH CORNEAL INJURY, WHICH MAY RESULT IN PERMANENT EYE DAMAGE, BLINDNESS AND IMPAIRMENT OF VISION. INHALATION: DIRECT AND REPEATED BREATHING OF VAPOURS MAY CAUSE SEVERE IRRITATION AND INJURY TO THE UPPER RESPIRATORY TRACT AND LUNGS, EVEN DEATH. INGESTION: WILL CAUSE BURNS OF MOUTH AND OESOPHAGUS AND GASTROINTESTINAL IRRITATION.

EFFECTS OF CHRONIC EXPOSURE: SEE ABOVE. MAY ALSO CAUSE EROSION OF TEETH, BLEEDING AND ULCERATION OF NOSE, MOUTH

AND GUMS.

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

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 REQUIRED 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 E, CLASS D DIV 1A

TDG CLASSIFICATION.....CLASS 8

SHIPPING NAME HYDROCHLORIC ACID

PIN.....UN 1789 PACKING GROUP.....II

HAZARD RATING: HEALTH: 3 FIRE: 0 REACTIVITY :3 SPECIAL:

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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