

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

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

PRODUCT NAME: PH POWER

CHEMICAL NAME: NA
CHEMICAL FAMILY: HYDROCHLORIC ACID
PRODUCT USE: ACID BOWL CLEANER

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: PUNGENT ODOUR, WHITE OPAQUE LIQUID
ODOUR THRESHOLD: ND
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 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 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: 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: USE ONLY WITH ADEQUATE VENTILATION. OTHERWISE USE A NIOSH APPROVED RESPIRATOR FOR ORGANIC ACIDS. KEEP AIRBORNE CONCENTRATIONS BELOW 5 PPM. FOR EMERGENCY OPERATIONS OR WHERE THE EXPOSURE LIMITS MAY BE EXCEEDED USE AN APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.
FOOTWEAR: 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. CAUTION MUST BE EXERCISED AS CONSIDERABLE AMOUNT OF HEAT AND STEAM MAY BE GENERATED ON NEUTRALIZATION.
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 FLOWING WATER FOR 30 MINUTES. SEEK MEDICAL ATTENTION IMMEDIATELY.
SKIN: DISCARD CONTAMINATED CLOTHING. IMMEDIATELY FLUSH AREA WITH COPIOUS AMOUNTS OF WATER THEN WASH WITH SOAP OR MILDLY ALKALINE SOLUTION SUCH AS 2.5% SODIUM BICARBONATE SOLUTION. 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. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE MOUTH TO MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT GIVE OXYGEN. CALL A PHYSICIAN.

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: 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: Dec 15, 2010
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