

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: SEE SECTION II. ACGIH TLV AND OSHA PEL ARE 5 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: August 1, 2008
TEL: 905-678-9559

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