

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: SUPPLIER:
MULTI-BLEND LTD.
2720 SLOUGH STREET
MISSISSAUGA
ONTARIO L4T 1G3
EMERGENCY - CANUTEC: 613-996-6666
PRODUCT NAME: **FLOW AWAY**
PRODUCT USE: DRAIN OPENER

SENSITIZATION TO MATERIAL.....SERIOUS
CARCINOGENICITY.....NOT AVAILABLE
REPRODUCTIVE TOXICITY.....NOT AVAILABLE
TERATOGENICITY.....NOT AVAILABLE
MUTAGENICITY.....NOT AVAILABLE
SYNERGISTIC PRODUCTS.....NOT AVAILABLE

SECTION VII PREVENTIVE MEASURES

HAND PROTECTION.....GLOVES: IMPERVIOUS (I.E. NEOPRENE, PVC)
EYE PROTECTION: TIGHT FITTING CHEMICAL GOGGLES AND FACE SHIELD.
RESPIRATORY PROTECTION.....AN APPROVED AIR PURIFYING RESPIRATOR
EQUIPPED WITH ACID GAS/FUME, DUST, MIST CARTRIDGES FOR CONCENTRATIONS UN
TO 10 MG/M3.AN AIR SUPPLIED RESPIRATOR IF CONCENTRATIONS ARE HIGHER OR
UNKNOWN.
FOOT WEAR.....SAFETY SHOES
CLOTHING.....RUBBER APRON (ACID RESISTANT)
ENGINEERING CONTROLS.....ADEQUATE VENTILATION TO MAINTAIN VAPOURS
BELOW EXPOSURE GUIDELINES.
LEAK AND SPILL PROCEDURE.....REMOVE ALL SOURCES OF IGNITION. VENTILATE
AREA. DIKE WITH INERT MATERIAL (SAND, EARTH ETC.).COLLECT INTO CONTAINERS
(PLASTIC) FOR RECLAIM OR DISPOSAL. USE LIME, LIMESTONE, SODA ASH (SODIUM
CARBONATE),SODIUM BICARBONATE, DILUTE SODIUM HYDROXIDE, DILUTE AQUA
AMMONIA TO NEUTRALIZE. SODA ASH WILL RELEASE CO2.
WASTE DISPOSAL.....DISPOSAL MUST MEET ALL LOCAL PROVINCIAL AND
FEDERAL REGULATIONS.
HANDLING PROCEDURES AND EQUIPMENT.. NEVER ADD WATER TO ACID DUE TO
POSSIBLE VIOLENT CHEMICAL REACTION, HEAT AND SPLASHBACK..
STORAGE REQUIREMENTS.....0-45 DEG C. DO NOT STORE NEAR OR WITH
COMBUSTIBLE MATERIAL OR HIGH ALKALI SUBSTANCES.

SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS- INGREDIENTS	APPROX- CONC.	CAS NO.	LD(50) (RAT ORAL)	LC(50) Inhalation Rat
SULPHURIC ACID	60-100	7664-93-9	2140 mg/Kg	510 mg/M3 FOR 2HOURS

SECTION III PHYSICAL DATA

PHYSICAL STATE.....LIQUID
ODOUR AND APPEARANCE.....CLEAR HEAVY LIQUID WITH SHARP SO2 ODOUR
ODOUR THRESHOLD.....NOT APPLICABLE
SPECIFIC GRAVITY.....1.84 AT 15 DEG C
VAPOUR PRESSURE.....AT 40 DEG C, 0.0016 MMHG
VAPOUR DENSITY (AIR=1).....NO DATA NOT VOLATILE AT
EVAPORATION RATE.....NONE
SOLUBILITY IN WATER.....INFINITE IN WATER
BOILING POINT.....276 DEG C
PH.....0.3
COEFF. WATER/OIL DISTR...NOT AVAILABLE

SECTION IV FIRE AND EXPLOSION DATA

FLAMMABILITY.....NO
EXTINGUISHING MEDIA.....DRY CHEMICAL
HAZARDOUS COMBUSTION PRODUCTS..TOXIC GASES AND VAPOURS SUCH AS
SULPHUR DIOXIDE, SULPHURIC ACID VAPOURS, SULPHUR TRIOXIDE.
SPECIAL PROCEDURES.....WEAR POSITIVE PRESSURE SELF CONTAINED
BREATHING APPARATUS
FLASH POINT (DEG)C.....NOT APPLICABLE
UPPER FLAMMABLE LIMIT.....NONE
LOWER FLAMMABLE LIMIT.....NONE
AUTO IGNITION TEMP.....NOT COMBUSTIBLE
EXPLOSION DATA.....NONE
SENSITIVITY TO STATIC CHARGE...NONE

SECTION V REACTIVITY DATA

CHEMICAL STABILITY.....STABLE UNDER NORMAL CONDITIONS
CONDITIONS TO AVOID.....TEMPERATURES, WHICH MAY AFFECT THE CONTAINERS.
CONTACT WITH WATER GENERATES EXTREME HEAT
INCOMPATIBLE SUBSTANCES.....CONTACT WITH ORGANIC MATERIALS(SUCH AS
CHLORATES, CARBIDES, FULMINATES AND PICRATES) MAY CAUSE FIRE AND
EXPLOSIONS. CONTACT OF ACID WITH METALS MAY FORM FLAMMABLE HYDROGEN
GAS. HYDROGEN GAS CAN ACCUMULATE TO EXPLOSIVE CONCENTRATIONS IN
CONFINED SPACES.
HAZARDOUS DECOMPOSITION.....TOXIC GASES AND VAPOURS (EG. SULPHUR
DIOXIDE, SULPHURIC ACID VAPOURS, SULPHUR TRIOXIDE) MAY BE RELEASED ON
DECOMPOSITION.
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:
A DILUTE SOLUTION IS AN IRRITANT TO SKIN AND MUCOUS MEMBRANES.
EFFECTS OF CHRONIC EXPOSURE:
SKIN CONTACT: SEVERE SKIN BURNS. EYE CONTACT: CORNEAL DAMAGE TO EYES,
WHICH MAY BE PERMANENT AND EVEN CAUSE BLINDNESS. INGESTION: CAUSES
SEVERE BURNING IN THE MOUTH, THROAT AND ABDOMEN. VOMITING, DIARRHOEA
AND PERFORATION OF THE OESOPHAGUS AND STOMACH LINING MAY OCCUR.
INHALATION: MAY CAUSE INCREASED PULMONARY RESISTANCE, TRANSIENT
COUGH AND BRONCHO CONSTRICTION. SEVERE OVEREXPOSURE MAY RESULT IN
LUNG COLLAPSE AND PULMONARY EDEMA, WHICH CAN BE FATAL. PROLONGED
OR REPEATED EXPOSURE MAY RESULT IN IMPAIRED LUNG FUNCTION AND
POSSIBLE DISCOLOURATION AND EROSION OF TEETH.

EXPOSURE LIMITS.....NO DATA
IRRITANCY OF MATERIAL.....CORROSIVE EFFECTS OF SKIN AND EYES MAY BE
DELAYED AND DAMAGE MAY OCCUR WITHOUT THE SENSATION AND ONSET OF PAIN.
STRICT ADHERENCE OF FIRST AID MEASURES FOLLOWING ANY EXPOSURE IS
ESSENTIAL.

SECTION VIII FIRST AID MEASURES

EYES: IMMEDIATELY FLUSH WITH RUNNING WATER FOR A MINIMUM OF 20 MINUTES.
HOLD EYELIDS OPEN DURING FLUSHING. IF IRRITATION PERSISTS REPEAT FLUSHING.
OBTAIN MEDICAL ATTENTION IMMEDIATELY. DO NOT TRANSPORT VICTIM UNTIL THE
RECOMMENDED FLUSHING PERIOD IS COMPLETED, UNLESS FLUSHING CAN BE
CONTINUED DURING TRANSPORT.
SKIN: FLUSH SKIN WITH PLENTY OF WATER FOR 20 MINUTES. START FLUSHING WHILE
REMOVING CONTAMINATED CLOTHING SIMULTANEOUSLY. IF IRRITATION PERSISTS
REPEAT FLUSHING. OBTAIN MEDICAL ATTENTION IMMEDIATELY. DO NOT TRANSPORT
VICTIM UNTIL THE RECOMMENDED FLUSHING IS COMPLETED UNLESS FLUSHING CAN
BE CONTINUED DURING TRANSPORTATION. DO NOT TRY AND NEUTRALIZE WITH
ALKALINE SOLUTION.

INGESTION: IF VICTIM IS ALERT AND NOT CONVULSING GIVE PLENTY OF WATER TO
DILUTE MATERIAL. IF SPONTANEOUS VOMITING OCCURS HAVE VICTIM LEAN
FORWARD HEAD DOWN TO AVOID BREATHING IN OF VOMITUS. RINSE MOUTH AND
ADMINISTER MORE WATER. IMMEDIATELY CONTACT LOCAL POISON CONTROL
CENTRE. DO NOT INDUCE VOMITING EXCEPT UNDER SUPERVISION OF A PHYSICIAN OR
A POISON CONTROL CENTRE. IMMEDIATELY TRANSPORT VICTIM TO AN EMERGENCY
FACILITY.

INHALATION: MOVE VICTIM TO FRESH AIR. GIVE ARTIFICIAL BREATHING ONLY IF BREATHING
HAS STOPPED. GIVE CPR (CARDIO PULMONARY RESUSCITATION) IF THERE IS NO
BREATHING AND NO PULSE. OBTAIN MEDICAL ATTENTION IMMEDIATELY.
NOTES TO PHYSICIAN: DUE TO THE CORROSIVE NATURE OF THIS MATERIAL, SWALLOWING
MAY RESULT IN SEVERE ULCERATION, INFLAMMATION AND POSSIBLE PERFORATION OF THE
UPPER ALIMENTARY TRACT, WITH HAEMORRHAGE AND POSSIBLE FLUID LOSS. ASPIRATION
OF THIS PRODUCT DURING INDUCED EMESIS CAN RESULT IN SEVERE LUNG INJURY.
EVACUATION OF STOMACH CONTENTS MUST BE DONE BY MEANS LEAST LIKELY TO CAUSE
ASPIRATION SUCH AS GASTRIC LAVAGE AFTER ENDO TRACHEAL INTUBATION. CONTACT A
POISON CONTROL CENTRE FOR ADDITIONAL TREATMENT INFORMATION. THE APPLICATION
OF ICE TO SKIN BURNS WILL REDUCE SCARRING.

ADDITIONAL INFORMATION

WHMIS CLASSIFICATION: CLASS E CLASS D DIV 2 B
TDG CLASSIFICATION: CLASS 8 SHIPPING NAME: SULPHURIC ACID
PIN.....UN1830 PACKING GROUP.....II
HAZARD RATING: HEALTH:4 FIRE:0 REACTIVITY: 3 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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