

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: **PLUS**
CHEMICAL NAME: NA CHEMICAL FAMILY: NA
PRODUCT USE: DETERGENT BOOSTER

SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS- INGREDIENTS	APPROX- CONC.	CAS NO.	LD(50) (RAT ORAL)	LC(50)
Potassium Hydroxide	10-30	1310-58-3	214 mg/Kg	ND
Tetrasodium salt of ethylene diaminetetraacetic acid	1-5	64-02-8	3030 mg/Kg	ND

SECTION III PHYSICAL DATA

PHYSICAL STATE.....LIQUID
ODOUR AND APPEARANCE.... ODOURLESS, CLEAR LIGHT PINK
ODOUR THRESHOLD.....ND
SPECIFIC GRAVITY.....1.35 ± 0.5
VAPOUR PRESSURE.....ND
VAPOUR DENSITY(air=1).....ND
EVAPORATION RATE.....0.1
SOLUBILITY IN WATER.....ND
BOILING POINT.....100 C
pH.....12-13
COEFF. WATER/OIL DISTR...GREATER THAN 1

SECTION IV FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY.....NONE
EXTINGUISHING MEDIA.....THAT FOR SURROUNDING MATERIALS
HAZARDOUS COMBUSTION PRODUCTS..NONE
SPECIAL PROCEDURES.....NONE
FLASH POINT (DEG)C.....N/A
HAZARDOUS COMBUSTION PRODUCTS..
UPPER FLAMMABLE LIMIT.....N/A
LOWER FLAMMABLE LIMIT.....N/A
AUTO IGNITION TEMP.....N/A
EXPLOSION DATA.....N/A
SENSITIVITY TO STATIC CHARGE...N/A

SECTION V REACTIVITY DATA

CHEMICAL STABILITY.....NORMALLY STABLE
CONDITIONS TO AVOID.....ND
INCOMPATIBLE SUBSTANCES.....STRONG ACIDS, OXIDIZERS.
HAZARDOUS DECOMPOSITION.....NONE
HAZARDOUS POLYMERIZATION.....ND

SECTION VI TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY
SKIN CONTACT.....YES SKIN ABSORPTION...YES
EYE CONTACT.....YES INHALATION.....NO
INGESTION.....YES

EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

Eyes: Contact may cause severe irritation, ulceration of eyes, permanent visual damage may occur.
Skin: Contact may cause irritation and redness.
Inhalation: Prolonged inhalation of the spray mist, can cause severe irritation of eyes, nose, throat, and respiratory tract.
Ingestion: may cause irritation and burning of the lips, mouth, throat, respiratory tract, oesophagus, nausea, vomiting, abdominal pain, diarrhoea, edema and subsequent suffocation, perforation of gastrointestinal tract. Can be fatal if inhaled or ingested.

EFFECTS OF CHRONIC EXPOSURE:

SKIN CONTACT: EXTREMELY CORROSIVE. MAY CAUSE BURNS

AND/OR DERMATITIS

EYE CONTACT: CORNEAL DAMAGE TO EYES WHICH MAY BE PERMANENT
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 BRONCHUS CONSTRICTION.
EXPOSURE LIMITS.....TLV OF POTASSIUM HYDROXIDE 2 MG/M3, - ACGIH.
IRRITANCY OF MATERIAL.....CORROSIVE TO SKIN AND EYES
SENSITIZATION TO MATERIAL.....SKIN AND MUCOUS MEMBRANES
CARCINOGENICITY.....NONE KNOWN
REPRODUCTIVE TOXICITY...NONE KNOWN
TERATOGENICITY.....NONE KNOWN MUTAGENICITY.....NONE KNOWN
SYNERGISTIC PRODUCTS.....NONE KNOWN

SECTION VII PREVENTIVE MEASURES

HAND PROTECTION.....PVC, NEOPRENE OR RUBBER GLOVES
EYE PROTECTION.....SAFETY GOGGLES
RESPIRATORY PROTECTION. NIOSH APPROVED RESPIRATOR FOR MISTS
FOOTWEAR.....SAFETY IMPERVIOUS FOOTWEAR
CLOTHING.....RUBBER APRON
ENGINEERING CONTROLS.....GENERAL EXHAUST USUALLY ADEQUATE.
HOWEVER, LOCAL EXHAUST MAY BE NECESSARY IN CONFINED SPACES TO KEEP TLV WITHIN ACCEPTABLE LIMITS.
LEAK AND SPILL PROCEDURE.....STOP LEAK IF POSSIBLE.
SMALL SPILLS: NEUTRALIZE WITH DILUTE ACETIC ACID AND FLUSH WITH LARGE AMOUNTS OF WATER. MOP UP OR ABSORB WITH A DRY INERT MATERIAL.
LARGE SPILLS: CORROSIVE LIQUID. DIKE IF POSSIBLE AND ABSORB WITH AN INERT MATERIAL. KEEP VAPOURS FROM DRIFTING, WITH A FINE WATER SPRAY CURTAIN.
WASTE DISPOSAL.....CAN BE NEUTRALIZED AND DISPOSED OF IN ACCORDANCE WITH LOCAL BY-LAWS.
HANDLING PROCEDURES/EQUIPMENT. KEEP AWAY FROM ACIDS. KEEP DRY.
AVOID CONTACT WITH SKIN AND EYES.
STORAGE REQUIREMENTS.....KEEP FROM FREEZING. STORE AT ROOM TEMPERATURE.

SECTION VIII FIRST AID MEASURES

PROCEDURES:
EYES - FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION.
SKIN - REMOVE CONTAMINATED CLOTHES. WASH WITH PLENTY OF WATER USING DELUGE SHOWER IF NECESSARY. IF IRRITATION PERSISTS, SEE A PHYSICIAN.
INGESTION - DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER TO RINSE OUT MOUTH. IF VICTIM IS NOT BREATHING USE MOUTH TO MOUTH RESUSCITATION. SEEK MEDICAL ATTENTION.

ADDITIONAL INFORMATION

WHMIS CLASSIFICATION...CLASS E, CLASS D DIV 2 B
TDG CLASSIFICATION.....CLASS 8
SHIPPING NAME.....CORROSIVE LIQUID N.O.S. (POTASSIUM HYDROXIDE SOLUTION)
PIN.....UN 1760 PACKING GROUP.....II
HAZARD RATING: HEALTH:2 FIRE:0 REACTIVITY:0 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: July15, 2011
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