

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: MULTI-BLEND LTD. SUPPLIER:
2720 SLOUGH STREET
MISSISSAUGA
ONTARIO L4T 1G3
EMERGENCY- CANUTEC: 613-996-6666

PRODUCT NAME: **ALKA CONCENTRATE**

CHEMICAL NAME: N/A CHEMICAL FAMILY: N/A
PRODUCT USE: ALKALINE CLEANER

SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS- APPROX- CAS NO. LD(50) LC(50)
INGREDIENTS CONC. (RAT ORAL)

SODIUM
HYDROXIDE 10-30 1310-73-2 140-340 mg/Kg ND

SECTION III PHYSICAL DATA

PHYSICAL STATE.....LIQUID
ODOUR AND APPEAR.....CLEAR, ODOURLESS, NON-
VISCIOUS, RED.
ODOUR THRESHOLD.....ND
SPECIFIC GRAVITY.....1.18
VAPOUR PRESSURE.....ND
VAPOUR DENSITY(air=1).....ND
EVAPORATION RATE.....0.1
SOLUBILITY IN WATER.....ND
BOILING POINT.....100 C
pH.....13-14
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:
A DILUTE SOLUTION IS AN IRRITANT TO SKIN AND MUCOUS
MEMBRANES.

EFFECTS OF CHRONIC EXPOSURE:
SKIN CONTACT: MAY CAUSE 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 BRONCHO
CONSTRICTION.
EXPOSURE LIMITS.....TLV OF SODIUM HYDROXIDE 2 MG/M3
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....RESPIRATOR FOR MISTS
FOOTWEAR.....NO SPECIAL REQUIREMENTS
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.....NEUTRALIZE WITH DILUTE
ACID AND FLUSH WITH LARGE AMOUNTS OF WATER.
WASTE DISPOSAL.....CAN BE NEUTRALIZED AND
DISPOSED OF IN ACCORDANCE WITH LOCAL BY-LAWS.
HANDLING PROCEDURES/EQUIPMENT..NONE
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. IF IRRITATION PERSISTS, CALL A
PHYSICIAN.
SKIN - WASH WITH PLENTY OF WATER. IF IRRITATION
PERSISTS, SEE A PHYSICIAN.
INGESTION - DO NOT INDUCE VOMITING. GIVE SEVERAL
GLASSES OF WATER OR MILK. SEEK MEDICAL ATTENTION
IMMEDIATELY.

ADDITIONAL INFORMATION

WHMIS CLASSIFICATION...CLASS E, CLASS D DIV 2 B
TDG CLASSIFICATION....CLASS 8
SHIPPING NAME.....CORROSIVE LIQUID N.O.S. (SODIUM
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: August 1, 2008

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