

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

EMERGENCY TEL: CANUTEC 613-996-6666
PRODUCT NAME: DISH PLUS II
CHEMICAL NAME: NA
CHEMICAL FAMILY: Alkaline Blend
PRODUCT USE : Industrial dishwashing cleaner

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
Glycine, N,N-bis (carboxymethyl)-, trisodium salt	5- 10	5064-31-3	1500 mg/Kg	ND

SECTION III PHYSICAL DATA

PHYSICAL STATE.....Liquid
ODOUR AND APPEARANCE.....Little or no odour, clear liquid or
sometimes a clear red liquid
ODOUR THRESHOLD.....ND
SPECIFIC GRAVITY.....1.15 ± 0.5
VAPOUR PRESSURE.....ND
VAPOUR DENSITY (air=1).....ND
EVAPORATION RATE.....1
SOLUBILITY IN WATER.....(20 deg C) Complete
BOILING POINT.....100 deg C
pH.....14.0
COEFF. WATER/OIL DISTR.....ND

SECTION IV FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY.....Non-Flammable
EXTINGUISHING MEDIA.....As for surrounding materials
HAZARDOUS COMBUSTION PRODUCTS.. Hydrogen Gas
SPECIAL PROCEDURES.....As for surrounding materials.
FLASH POINT (DEG)C.....None
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.....NA
INCOMPATIBLE SUBSTANCES.....Strong acids, strong oxidizing
agents, may react with aluminium to form hydrogen.
HAZARDOUS DECOMPOSITION.....None known
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:
EYES: CONTACT MAY CAUSE SEVERE IRRITATION, ULCERATION OF
EYES, PERMANENT VISUAL DAMAGE MAY OCCUR.
SKIN: CONTACT MAY CAUSE IRRITATION AND REDNESS.
INHALATION: PROLONGED EXPOSURE CAN CAUSE 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.

EFFECTS OF CHRONIC EXPOSURE:
SKIN: MAY CAUSE DRYING AND CRACKING WITH IRRITATION.
EXPOSURE LIMITS.. NIOSH - FOR POTASSIUM HYDROXIDE IS
2 mg/m3
IRRITANCY OF MATERIAL.....MODERATE
SENSITIZATION TO MATERIAL.....ND
CARCINOGENICITY.....NONE KNOWN.
REPRODUCTIVE TOXICITY.....NONE KNOWN.
TERATOGENICITY.....NONE KNOWN.
MUTAGENICITY.....NONE KNOWN.
SYNERGISTIC PRODUCTS.....ND

SECTION VII PREVENTIVE MEASURES

HAND PROTECTION..RUBBER OR VINYL GLOVES WHEN HANDLING
EYE PROTECTION.....CHEMICAL GOGGLES OR FACE SHIELD IF
CONTACT IS LIKELY.
RESPIRATORY PROTECTION.....NONE FOR NORMAL USE.
FOOT WEAR.....NO SPECIAL REQUIREMENTS.
CLOTHING.....NO SPECIAL REQUIREMENTS.
ENGINEERING CONTROLS.....NONE FOR NORMAL PRODUCT USE
LEAK AND SPILL PROCEDURE.....DYKE AREA AND CONTAIN
SPILL.PUMP INTO CONTAINER FOR RECOVERY AND
DISPOSAL.NEUTRALISE REMAINING MATERIAL WITH DILUTE ACID
AND FLUSH INTO SEWER WITH LARGE VOLUMES OF WATER.
WASTE DISPOSAL.....DISPOSE IN ACCORDANCE WITH
LOCAL,PROVINCIAL AND FEDERAL REGULATIONS
HANDLING PROCEDURES AND EQUIPMENT..AVOID CONTACT WITH
EYES,SKIN OR CLOTHES.WASH THOROUGHLY AFTER HANDLING.
STORAGE REQUIREMENTS.....STORE IN A COOL DRY AREA. KEEP
AWAY FROM ACIDS AND INCOMPATIBLES. DO NOT FREEZE.

SECTION VIII FIRST AID MEASURES

EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES. GET MEDICAL
ATTENTION IMMEDIATELY
SKIN: REMOVE CONTAMINATED CLOTHING AND FLUSH SKIN WITH
RUNNING WATER FOR 15 MINUTES.SEEK MEDICAL ATTENTION
IMMEDIATELY. WASH CONTAMINATED CLOTHING BEFORE REUSE.
INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.
INGESTION: IF SWALLOWED DO NOT INDUCE VOMITING. GIVE 1-2
GLASSES OF MILK OR WATER. IF VOMITING OCCURS GIVE FLUIDS
AGAIN. GET IMMEDIATE MEDICAL ATTENTION.DO NOT GIVE
ANYTHING TO AN UNCONSCIOUS PATIENT.

ADDITIONAL INFORMATION

WHMIS CLASSIFICATION.....CLASS E CLASS D DIV 2B
TDG CLASSIFICATION.....CLASS 8
SHIPPING NAME:...CORROSIVE LIQUID N.O.S.(POTASSIUM
HYDROXIDE)
PIN.....UN 1760 PACKING GROUP.....III
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: May 15, 2011
Tel: 905-678-9559

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