

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: SUPPLIER:
MULTI-BLEND LTD.
2720 SLOUGH STREET
MISSISSAUGA
ONTARIO L4T 1G3
EMERGENCY- CANUTEC: 613-966-6666

EMERGENCY TEL: CANUTEC 613-996-6666
PRODUCT NAME: **HARD WATER DETERGENT**
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)
Sodium Hydroxide	10-30	1310-73-2	500 mg/Kg	ND
Glycine, N,N-bis (carboxymethyl)-, trisodium salt	10-30	5064-31-3	1500 mg/Kg	ND

SECTION III PHYSICAL DATA

PHYSICAL STATE.....Liquid
ODOUR AND APPEARANCE.....Little or no odour, clear pink liquid
ODOUR THRESHOLD.....NA
SPECIFIC GRAVITY.....1.25 ± 0.5
VAPOUR PRESSURE.....NA
VAPOUR DENSITY (air=1).....NA
EVAPORATION RATE.....1
SOLUBILITY IN WATER.....(20 deg C) Complete
BOILING POINT.....100 deg C
pH.....14.0
COEFF. WATER/OIL DISTR.....NA

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. OSHA's PEL FOR SODIUM HYDROXIDE IS
2 mg/m3
IRRITANCY OF MATERIAL.....Moderate
SENSITIZATION TO MATERIAL.....NA
CARCINOGENICITY.....Nitrotriacetic Acid is listed by National
Toxicology Program as a possible human carcinogen. No risk is
expected however, under normal conditions of use.
REPRODUCTIVE TOXICITY.....None known.
TERATOGENICITY.....None known.
MUTAGENICITY.....None known.
SYNERGISTIC PRODUCTS.....NA

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.....Safety Boots.
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 2 B
TDG CLASSIFICATION.....Class 8
SHIPPING NAME:...CORROSIVE LIQUID N.O.S.(SODIUM
HYDROXIDE)
PIN.....UN 1760 PACKING GROUP.....II
HAZARD RATING: HEALTH:2 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.

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PREPARED BY: LAB GROUP DATE: August 1, 2008
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