

# MATERIAL SAFETY DATA SHEET

## SECTION I PRODUCT IDENTIFICATION

MANUFACTURER:  
Multi-Blend Ltd.  
2720 Slough Street  
Mississauga  
Ontario L4T 1G3

SUPPLIER:

EMERGENCY TEL: CANUTEC 613-996-6666

PRODUCT NAME: AUTO DISHWASH CHLORINATED

CHEMICAL NAME: NA

CHEMICAL FAMILY: Alkaline Blend

PRODUCT USE Industrial dishwashing cleaner

gastrointestinal tract.

EFFECTS OF CHRONIC EXPOSURE:

Skin: may cause drying and cracking with irritation.

EXPOSURE LIMITS.....OSHA's PEL for Potassium Hydroxide is 2 mg/m3

IRRITANCY OF MATERIAL.....Moderate

SENSITIZATION TO MATERIAL.....NA

CARCINOGENICITY.....None known.

REPRODUCTIVE TOXICITY.....None known.

TERATOGENICITY.....None known.

MUTAGENICITY.....None known.

SYNERGISTIC PRODUCTS.....NA

## SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS- INGREDIENTS	APPROX- CONC. %	CAS NO.	LD(50) (RAT ORAL)	LC(50)
Potassium Hydroxide	5 - 10	1310-58-3	273 mg/Kg	ND
Potassium Pyrophosphates	1-5	7320-34-5	ND	ND
Sodium Hypochlorite	1-5	7681-52-9	ND	ND

## SECTION III PHYSICAL DATA

PHYSICAL STATE.....Liquid

ODOUR AND APPEARANCE.....chlorine odour, yellow liquid

ODOUR THRESHOLD.....NA

SPECIFIC GRAVITY.....1.21 ± 0.5

VAPOUR PRESSURE.....NA

VAPOUR DENSITY(air=1).....NA

EVAPORATION RATE.....1

SOLUBILITY IN WATER.....(20 deg C) Complete

BOILING POINT.....ND

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. .traces of chlorine

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

## 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.....Mo 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.(POTASSIUM 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.

PREPARED BY: LAB GROUP DATE: May 1, 2010

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