

# MATERIAL SAFETY DATA SHEET

## SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: SUPPLIER:  
Multi-Blend Ltd.  
2720 Slough Street  
Mississauga  
Ontario L4T 1G3  
EMERGENCY TEL: CANUTEC 613-996-6666

PRODUCT NAME: **AUTO DISH**  
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)
PotassiumHydroxide	5 -10	1310-58-3	273 mg/Kg	ND
PotassiumPyrophosphates	1-5	7320-34-5	ND	ND
Sodium silicate	1-5	1344-09-8	1153 mg/Kg	ND

## SECTION III PHYSICAL DATA

PHYSICAL STATE.....Liquid  
ODOUR AND APPEARANCE.....Little or no odour, clear red 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.....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.. None Known  
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....Potassium hydroxide TLV  
ACGIH 2 mg/m<sup>3</sup> (Ceiling)  
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 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 of waste material at an approved (hazardous) waste treatment/disposal facility in accordance with applicable local, provincial and federal regulations. Do not dispose of waste with normal garbage, or to sewer systems.  
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 (9,2)  
SHIPPING NAME:...CORROSIVE LIQUID N.O.S.(POTASSIUM HYDROXIDE)  
PIN.....UN 1760 PACKING GROUP.....III  
HAZARD RATING: HEALTH: 3 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: Dec. 15, 2010  
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