

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: Multi-Blend Ltd. SUPPLIER:
2720 Slough Street
Mississauga
Ontario L4T 1G3
EMERGENCY TEL NO: CANUTEC 613 996-6666
PRODUCT NAME: **OVEN CLEAN**
CHEMICAL NAME: NA CHEMICAL FAMILY: NA
PRODUCT USE: ALKALINE OVEN CLEANER

SECTION II HAZARDOUS INGREDIENTS

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

POTASSIUM
HYDROXIDE 10-30 1310-58-3 365 mg/Kg ND

SECTION III PHYSICAL DATA

PHYSICAL STATE.....LIQUID
ODOUR AND APPEARANCE...ODOURLESS, AMBER,
ODOUR THRESHOLD.....ND
SPECIFIC GRAVITY.....1.18
VAPOUR PRESSURE.....ND
VAPOUR DENSITY(air=1).....ND
EVAPORATION RATE.....0.8 (WATER=1)
SOLUBILITY IN WATER.....ND
BOILING POINT.....110 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.....AVOID DIRECT CONTACT WITH WATER DUE TO
VIOLENT EXOTHERMIC REACTION. Exposure to tin, aluminum, zinc, and their alloys
evolves explosive hydrogen gas.
FLASH POINT (DEG)C.....NA
HAZARDOUS COMBUSTION PRODUCTS..ND
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.....NORMALLY STABLE
CONDITIONS TO AVOID.....ND
INCOMPATIBLE SUBSTANCES.....STRONG ACIDS, OXIDIZERS. This material
generates considerable amounts of heat when dissolved in water. Do not allow contact
with acids, reactive metals such as aluminum, zinc and tin, water and heat.
HAZARDOUS DECOMPOSITION..... Flammable hydrogen gas may be generated
when the product and certain metals react (see above). Toxic Potassium Oxide fumes
are emitted when heated to decomposition.
HAZARDOUS POLYMERIZATION.....NONE

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:
A DILUTE SOLUTION IS AN IRRITANT TO SKIN AND MUCOUS MEMBRANES.

EFFECTS OF CHRONIC EXPOSURE:
SKIN CONTACT: SEVERE SKIN BURNS.
EYE CONTACT: CORNEAL DAMAGE TO EYES WHICH MAY BE PERMANENT AND
EVEN CAUSE BLINDNESS.
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. SEVERE OVEREXPOSURE MAY
RESULT IN LUNG COLLAPSE AND PULMONARY EDEMA WHICH CAN BE FATAL.
EFFECTS OF ACUTE EXPOSURE TO MATERIAL: CORROSIVE TO ALL BODY

TISSUES WITH WHICH IT COMES IN CONTACT. MAY CAUSE DERMATITIS.
IRRITATION TO LUNGS WHEN INHALED, WILL VARY DEPENDING ON
EXPOSURE. DAMAGE WILL INCREASE DEPENDING ON LENGTH OF CONTACT
TIME.
EXPOSURE LIMITS.....TLV 2 MG/M³ (CEILING) FOR POTASSIUM
HYDROXIDE
IRRITANCY OF MATERIAL.....CORROSIVE TO SKIN AND EYES
SENSITIZATION TO MATERIAL. SKIN AND MUCOUS MEMBRANES
CARCINOGENICITY.....NONE KNOWN
REPRODUCTIVE TOXICITY.....NONE
TERATOGENICITY.....NONE MUTAGENICITY.....NONE
SYNERGISTIC PRODUCTS.....NONE

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.....CONTAIN SPILL AND PICK UP WASTE
MATERIAL WITH INERT ABSORBENT. STORE WASTE IN LABELLED
CONTAINERS. NEUTRALIZE AREA 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..WEAR PROTECTIVE CLOTHING
PRODUCT MAY REACT VIOLENTLY WITH WATER AND ACIDS.
STORAGE REQUIREMENTS.....KEEP FROM FREEZING. STORE AT ROOM
TEMPERATURE.

SECTION VIII FIRST AID MEASURES

PROCEDURES:
EYES: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES. SEEK
MEDICAL ATTENTION IMMEDIATELY
SKIN: REMOVE CONTAMINATED CLOTHING AND WASH FOR 15 MINUTES WITH
RUNNING WATER. SEEK MEDICAL ATTENTION. DRY CLEAN CLOTHES BEFORE
REUSE.
INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION
INGESTION: IF SWALLOWED DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES OF
WATER OR MILK. IF VOMITING OCCURS GIVE FURTHER FLUIDS AND SEEK
MEDICAL ATTENTION IMMEDIATELY.

ADDITIONAL INFORMATION

WHMIS CLASSIFICATION...Class D-1B, E
TDG CLASSIFICATION.....Class 8
SHIPPING NAME.....CORROSIVE LIQUID N.O.S. (POTASSIUM 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: May 15, 2011
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