

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER:
MULTI-BLEND LTD.
2720 SLOUGH STREET
MISSISSAUGA
ONTARIO L4T 1G3
EMERGENCY - CANUTEC: 613-996-6666

SUPPLIER:

HUMANS. IF THE MATERIAL IS HANDLED IN ACCORDANCE WITH PROPER INDUSTRIAL HANDLING, EXPOSURES SHOULD NOT POSE A CARCINOGENIC RISK TO MAN.
EXPOSURE LIMITS: FOR ETHYLENE GLYCOL MONOBUTYL ETHER: 20 PPM TWA ACGIH
IRRITANCY OF MATERIAL: ND
SENSITIZATION TO MATERIAL: ND
CARCINOGENICITY: NOT KNOWN
REPRODUCTIVE TOXICITY: NOT KNOWN
TERATOGENICITY: NOT KNOWN
MUTAGENICITY: NOT KNOWN
SYNERGISTIC PRODUCTS: ND

PRODUCT NAME: BIO DEGREASER
CHEMICAL NAME: NA
CHEMICAL FAMILY: ALKALIES
PRODUCT USE: GENERAL PURPOSE

SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	APPROX- CONC.	CAS NO.	LD(50) (RAT ORAL)	LC(50) INHALATION RAT
SODIUM METASILICATE	5-7	6834-92-0	1470 mg/Kg	ND
2-BUTOXY-ETHANOL	1-5	111-76-2	250-917 mg/Kg	700 ppm / 7hrs.

SECTION III PHYSICAL DATA

PHYSICAL STATE..... LIQUID
ODOR AND APPEARANCE..... BUTYL ODOUR, CLEAR, BLUE OR PURPLE LIQUID
ODOR THRESHOLD..... NOT AVAILABLE
SPECIFIC GRAVITY..... 1.020
VAPOR PRESSURE..... (MM) 760mm AT 100(C)
VAPOR DENSITY (air=1)..... NOT AVAILABLE
EVAPORATION RATE..... (WATER = 1) 1
SOLUBILITY IN WATER..... (20 DEGREES C) COMPLETE
BOILING POINT..... (C) 100
pH..... (10% SOLUTION) 11.8
COEFF. WATER/OIL DISTR..... NOT AVAILABLE

SECTION IV FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY..... NON FLAMMABLE
EXTINGUISHING MEDIA..... AS FOR SURROUNDING MATERIALS
HAZARDOUS COMBUSTION PRODUCTS..... CARBON DIOXIDE, CARBON MONOXIDE, NITROUS OXIDE, AMMONIA.
SPECIAL PROCEDURES..... AS FOR SURROUNDING MATERIALS
FLASH POINT (DEG)C..... NA
UPPER FLAMMABLE LIMIT..... NA LOWER FLAMMABLE LIMIT..... NA
AUTO IGNITION TEMP..... NA EXPLOSION DATA..... NA
SENSITIVITY TO STATIC CHARGE..... ND

SECTION V REACTIVITY DATA

CHEMICAL STABILITY..... STABLE
CONDITIONS TO AVOID..... EXTREME HEAT AND COLD
INCOMPATIBLE SUBSTANCES..... STRONG ACIDS, STRONG OXIDIZING AGENTS, EDTA MAY REACT WITH ALUMINIUM TO FORM HYDROGEN
HAZARDOUS DECOMPOSITION..... THERMAL DECOMPOSITION WILL GIVE CARBON DIOXIDE, CARBON MONOXIDE, NITROUS OXIDES, AMMONIA
HAZARDOUS POLYMERIZATION..... NOT AVAILABLE

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:
EYE CONTACT MAY CAUSE SEVERE IRRITATION OF MUCOUS MEMBRANES, ULCERATION OF EYES, PERMANENT VISUAL DAMAGE MAY OCCUR
SKIN CONTACT MAY CAUSE BURNS OF SKIN AND UNDERLYING TISSUE
INHALATION PROLONGED EXPOSURE CAN CAUSE IRRITATION OF EYES NOSE AND THROAT AND RESPIRATORY TRACT
INGESTION MAY CAUSE IRRITATION OF LIPS MOUTH AND THROAT, RESPIRATORY TRACT AND OESOPHAGUS, NAUSEA, VOMITING, ABDOMINAL PAIN AND DIARRHOEA, EDEMA OF LARYNX AND SUBSEQUENT SUFFOCATION, PERFORATION OF GASTROINTESTINAL TRACT
EFFECTS OF CHRONIC EXPOSURE: IN LONG-TERM ANIMAL STUDIES WITH ETHYLENE GLYCOL BUTYL ETHER, SMALL BUT STATISTICALLY SIGNIFICANT INCREASES IN TUMORS WERE OBSERVED IN MICE BUT NOT RATS. THE EFFECTS ARE NOT BELIEVED TO BE RELEVANT TO

SECTION VII PREVENTIVE MEASURES

HAND PROTECTION..... GLOVES: RUBBER OR VINYL
EYE PROTECTION... CHEMICAL GOGGLES OR FACE SHIELD
RESPIRATORY PROTECTION..... WORN BY PERSON SENSITIVE TO FUMES
FOOT WEAR..... RUBBER CLOTHING..... IMPERVIOUS
ENGINEERING CONTROLS..... LOCAL EXHAUST
LEAK AND SPILL PROCEDURE..... DIKE AREA AND CONTAIN SPILL. PUMP TO CONTAINER FOR RECOVERY OR DISPOSAL. NEUTRALISE REMAINDER WITH MILD ACID AND FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER IF LOCAL GOVERNMENTS ALLOW OR PICK UP WITH WET VACUUM.
WASTE DISPOSAL..... DISPOSE IN ACCORDANCE WITH LOCAL AND MUNICIPAL AUTHORITIES.
HANDLING PROCEDURES AND EQUIPMENT..... AVOID CONTACT WITH EYES SKIN OR CLOTHES. WASH THOROUGHLY AFTER HANDLING
STORAGE REQUIREMENTS..... STORE IN A COOL DRY AREA AWAY FROM ACIDS AND INCOMPATIBLES. DO NOT FREEZE

SECTION VIII FIRST AID MEASURES

EYES: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION
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 CITRIC JUICES. IF VOMITING OCCURS GIVE FURTHER FLUIDS AND SEEK MEDICAL ATTENTION IMMEDIATELY.

ADDITIONAL INFORMATION

WHMIS CLASSIFICATION... CLASS E, CLASS D DIV 2B
TDG CLASSIFICATION..... NR
PIN..... NR PACKING GROUP..... NR

HAZARD RATING: HEALTH: 1 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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