

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER:
MULTI-BLEND LTD
2720 SLOUGH STREET
MISSISSAUGA
ONTARIO L4T 1G3

SUPPLIER:

EMERGENCY - CANUTEC: 613-996-6666

PRODUCT NAME: **SANITROL-MB**

CHEMICAL NAME: NA CHEMICAL FAMILY: ORGANIC
PRODUCT USE: SANITIZING AGENT

SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS- INGREDIENTS	APPROX- CONC.	CAS NO.	LD(50) (RAT ORAL)	LC(50)
N-ALKYL DIMETHYL BENZYL				
AMMONIUM CHLORIDE	1-5%	68424-85-1	344 mg/Kg	ND
DI-N-ALKYL DI-METHYL AMMONIUM				
CHLORIDE	1-5%	68424-95-3	229 mg/Kg	ND
ETHYL ALCOHOL	1-5%	64-17-5	ND	ND

SECTION III PHYSICAL DATA

PHYSICAL STATE.....LIQUID
ODOUR AND APPEARANCE.....CLEAR, LIQUID , MILD AMINE ODOUR
ODOUR THRESHOLD.....NA
SPECIFIC GRAVITY.....1.01
VAPOUR PRESSURE.....NA
VAPOUR DENSITY(AIR=1).....>1
EVAPORATION RATE.....SAME AS WATER
SOLUBILITY IN WATER.....COMPLETE
BOILING POINT.....100 C
PH.....7.0-8.0
COEFF. WATER/OIL DISTR.....NA

SECTION IV FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY.....NONE
EXTINGUISHING MEDIA.....CHEMICAL FOAM, CO2, WATER FOG
HAZARDOUS COMBUSTION PRODUCTS..CARBON DIOXIDE, CARBON MONOXIDE,
OXIDES OF NITROGEN, HYDROGEN CHLORIDE FUMES
SPECIAL PROCEDURES.....WEAR FULL PROTECTIVE GEAR INCLUDING SELF-
CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH
WATER SPRAY. PRODUCTS OF COMBUSTION ARE TOXIC.
FLASH POINT (DEG)C.....ND
HAZARDOUS COMBUSTION PRODUCTS..
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.....HIGH TEMPERATURES
INCOMPATIBLE SUBSTANCES.....STRONG OXIDIZING AND REDUCING AGENTS,
ALKALIES
HAZARDOUS DECOMPOSITION.....OXIDES OF NITROGEN AND CARBON, HYDROGEN
CHLORIDE
HAZARDOUS POLYMERIZATION.....NA

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 EYE DAMAGE OR BURNS
SKIN- PROLONGED CONTACT MAY CAUSE IRRITATION
INHALATION- VAPOURS OR MIST MAY CAUSE IRRITATION OF MUCOUS MEMBRANES
INGESTION- MAY CAUSE IRRITATION AND BURNING SENSATION OF LIPS, MOUTH AND
THROAT AND ABDOMEN, SWELLING OF LARYNX, DIFFICULTY IN BREATHING,
CIRCULATORY SHOCK, CONVULSIONS, MAY BE FATAL IF SWALLOWED

EFFECTS OF CHRONIC EXPOSURE: NOT ESTABLISHED
EXPOSURE LIMITS for ETHANOL TWA 1000 ppm ACGIH
IRRITANCY OF MATERIAL.....LOW
SENSITIZATION TO MATERIAL.....NA
CARCINOGENICITY.....NA
REPRODUCTIVE TOXICITY.....NA
TERATOGENICITY.....NA
MUTAGENICITY.....NA
SYNERGISTIC PRODUCTS.....NA

SECTION VII PREVENTIVE MEASURES

HAND PROTECTION.....RUBBER GLOVES
EYE PROTECTION.....FACE SHIELD OR SAFETY GOGGLES
RESPIRATORY PROTECTION.....NONE REQUIRED IF GOOD VENTILATION IS
MAINTAINED
FOOT WEAR.....RUBBER SAFETY BOOTS
CLOTHING.....NO SPECIAL REQUIREMENTS
ENGINEERING CONTROLS.....LOCAL EXHAUST AS NEEDED TO CONTROL
FUMES
LEAK AND SPILL PROCEDURE.....REMOVE IGNITION SOURCES. DIKE AND
CONTAIN SPILL WITH INERT MATERIAL AND TRANSFER TO CONTAINERS FOR
RECOVERY OR DISPOSAL. KEEP SPILLS OUT OF SEWERS AND OPEN WATER
BODIES. CAUTION- FLOORS MAY BE SLIPPERY.
WASTE DISPOSAL.....INCINERATE IN APPROVED EQUIPMENT OR DISPOSE
IN SECURE LANDFILL ACCORDING TO LOCAL, PROVINCIAL AND FEDERAL
REGULATIONS.
HANDLING PROCEDURES AND EQUIPMENT..WEAR PROTECTIVE CLOTHING
STORAGE REQUIREMENTS.....STORE IN A COOL, DRY, WELL VENTILATED
AREA IN ORIGINAL CONTAINER TIGHTLY SEALED.

SECTION VIII FIRST AID MEASURES

PROCEDURES: EYES- IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR 15
MINUTES. IF PAIN OR IRRITATION PERSIST, SEEK MEDICAL ASSISTANCE.
SKIN- REMOVE CONTAMINATED CLOTHING AND THOROUGHLY WASH
CONTAMINATED AREA WITH SOAP AND WATER. IF PAIN OR IRRITATION PERSIST
, GET MEDICAL ASSISTANCE. LAUNDRER CLOTHING BEFORE REUSE.
INHALATION- MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE
OXYGEN. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION AND THEN
GIVE OXYGEN. GET MEDICAL ATTENTION.
INGESTION- IF SWALLOWED- DO NOT INDUCE VOMITING- DRINK LARGE
QUANTITY OF MILK, EGG WHITES, GELATIN SOLUTION OR WATER. AVOID
ALCOHOL. CONTACT A PHYSICIAN IMMEDIATELY.
NOTE TO PHYSICIAN- PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE
THE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRCULATORY SHOCK, AS
WELL AS OXYGEN AND BREATHING SUPPORT MAY BE NEEDED. IF PERSISTENT
CONVULSIONS MAY BE CONTROLLED WITH THE CAUTIOUS INTRAVENOUS OF A
SHORT ACTING BARBITURATE DRUG.

ADDITIONAL INFORMATION

WHMIS CLASSIFICATION...NR..AS DIN APPROVED DIN NO. 02073021
TDG CLASSIFICATION.....NR SHIPPING NAME..NR
PIN.....NR PACKING GROUP.....NR

HAZARD RATING: HEALTH:2 FIRE=0 REACTIVITY:0 PECIAL:ND

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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