

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT IDENTIFICATION

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

PRODUCT NAME: **PORTA ZYME**
CHEMICAL NAME: NA
CHEMICAL FAMILY: BACTERIAL CULTURES
PRODUCT USE: PORTABLE TOILET TREATMENT

SECTION II HAZARDOUS INGREDIENTS

HAZARDOUS- INGREDIENTS	APPROX- CONC.	CAS NO.	LD(50) (RAT ORAL)	LC(50)
Viable Bacterial Cultures	10-50	ND	ND	ND

SECTION III PHYSICAL DATA

PHYSICAL STATE.....LIQUID
ODOR AND APPEARANCE.....FRESH ODOR, BLUE LIQUID
ODOR THRESHOLD.....NE
SPECIFIC GRAVITY.....1.01
VAPOUR PRESSURE.....ND
VAPOUR DENSITY(air=1).....ND
EVAPORATION RATE.....NE
SOLUBILITY IN WATER.....MODERATE
BOILING POINT.....1000C
pH.....7.0 ± 0.5
COEFF. WATER/OIL DISTR....NE

SECTION IV FIRE AND EXPLOSION DATA

CONDITIONS OF FLAMMABILITY.....NON FLAMMABLE
EXTINGUISHING MEDIA.....ND
HAZARDOUS COMBUSTION PRODUCTS..NONE KNOWN
SPECIAL PROCEDURES.....ND
FLASH POINT (DEG)C.....NONE
HAZARDOUS COMBUSTION PRODUCTS..NONE KNOWN
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.....NONE
INCOMPATIBLE SUBSTANCES.....STRONG ACIDS OR
ALKALIS MAY INACTIVATE SOME BACTERIAL CULTURES
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:THIS MATERIAL
MAY CAUSE EYE OR SKIN IRRITATION.ORGANISMS USED ARE
NON PATHOGENIC,BUT CAN CAUSE INFECTION WHEN IN
CONTACT WITH OPEN WOUNDS.THESE ORGANISMS ARE
SUSCEPTIBLE TO COMMONLY USED ANTIBIOTICS.

EFFECTS OF CHRONIC EXPOSURE:NONE KNOWN.LIMITED
TOXICITY DATA ARE AVAILABLE ON THIS SPECIFIC
PRODUCT.THIS HEALTH HAZARD ASSESSMENT IS BASED ON

THE RESULTS OF SCREENING TESTS.

EXPOSURE LIMITS.....NE
IRRITANCY OF MATERIAL.....SLIGHT
SENSITIZATION TO MATERIAL.....NONE KNOWN
CARCINOGENICITY.....NONE KNOWN
REPRODUCTIVE TOXICITY.....NONE KNOWN
TERATOGENICITY.....NONE KNOWN
MUTAGENICITY.....NONE KNOWN
SYNERGISTIC PRODUCTS.....NONE KNOWN

SECTION VII PREVENTIVE MEASURES

HAND PROTECTION.....RUBBER OR VINYL GLOVES
EYE PROTECTION.....SAFETY GLASSES DEPENDING ON
SEVERITY OF EXPOSURE
RESPIRATORY PROTECTION:LOCAL EXHAUST ADEQUATE. USE
NIOSH APPROVED RESPIRATOR IF MISTING PRODUCT
FOOT WEAR.....RUBBER BOOTS IF CONTACT POSSIBLE
CLOTHING.....AVOID SKIN CONTACT.LONG SLEEVE
CLOTHING.

ENGINEERING CONTROLS.....LOCAL EXHAUST
ADEQUATE.MECHANICAL VENTILATION IF IN CONFINED AREAS

LEAK AND SPILL PROCEDURE.....SMALL SPILLS: FLUSH WITH
LARGE AMOUNTS OF WATER. LARGE SPILLS: COLLECT WITH
ABSORBENT AND PLACE IN CONTAINERS FOR DISPOSAL
WASTE DISPOSAL.....REVIEW LOCAL GOVERNMENT
REGULATIONS AND DISPOSE THROUGH A LICENSED FACILITY

HANDLING PROCEDURES AND EQUIPMENT..AVOID EYE AND
SKIN CONTACT
STORAGE REQUIREMENTS.....STORE IN A COOL DRY
AREA.KEEP FROM FREEZING

SECTION VIII FIRST AID MEASURES

PROCEDURES:
SKIN: REMOVE CONTAMINATED CLOTHING.WASH AND FLUSH
GENEROUSLY WITH SOAP AND WATER.IF IRRITATION PERSISTS
SEEK MEDICAL ATTENTION
EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15
MINUTES.SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS
INGESTION: DO NOT INDUCE VOMITING.RINSE MOUTH WITH
WATER.DRINK LARGE AMOUNTS OF MILK OR WATER.SEEK
MEDICAL ATTENTION IMMEDIATELY.

ADDITIONAL INFORMATION

WHMIS CLASSIFICATION...CLASS D DIVISION 2 B
TDG CLASSIFICATION.....NONE
PIN.....NONE PACKING GROUP.....NA
HAZARD RATING: HEALTH:1 FIRE:0 REACTIVITY:0
SPECIAL:NONE
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
Tel: 905-678-9559

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