

MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION # : 314-647-1888
EMERGENCY TELEPHONE # : (800) 854-4236

I-PRODUCT IDENTIFICATION

BIO-ZYME

PRODUCT CODE: #023D, #023E

CHEMICAL FORMULATION: NON-PATHOGENIC BACTERIAL CLEANER & DEODORIZER

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0

HAZARD RATING: 4-Extreme; 3-High; 2-Moderate; 1-Slight; 0-Insignificant

II-HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS NUMBER	ACGIH TWA	ACGIH STEL	OSHA PEL	OTHER RECOMMENDED LIMITS	S.A.R.A TITLE III QTY
BACTERIA CULTURE (NONPATHAGENTIC BACTERIA – 9.25 BILLION/GALLON)						
WATER						

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit

N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4)

355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40CFR 372).

III-PHYSICAL DATA

BOILING POINT (°F): 210	MELTING POINT: N/D
VAPOR PRESURE (mm Hg): 18	SPECIFIC GRAVITY (WATER=1): 1.017
VAPOR DENSITY (AIR=1): N/D	VOC CONTENT (% by weight): N/A
SOLUBILITY IN WATER: 100%	EVAPORATION RATE (Butyl Acetate=1): 1
	pH: N/A
APPEARANCE AND ODOR: NON-VISC, EMULSION CENTRONELLA PERFUME	

IV-FIRE AND EXPLOSION HAZARD

FLASH POINT (°F): NON-FLAMMABLE

FLAMMABLE LIMITS: N/A LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: NONE REQUIRED

SPECIAL FIRE FIGHTING PROCEDURES: NONE REQUIRED

UNUSUAL FIRE AND EXPLOSION HAZARD: NONE

V-REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY: DO NOT MIX PRODUCT WITH GERMICIDALS OR BLEACHES

CONDITIONS TO AVOID: N/A

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: N/A

VI-HEALTH AND HAZARD DATA

ROUTES OF ENTRY

INHALATION:

SKIN:

INGESTION:

CARCINOGENICITY: NTP?

IARC MONOGRAPHS?

OSHA REGULATED?

EFFECTS OF OVEREXPOSURE

IF IN EYES: IRRITATION OF EYES IF SPLASHED

IF ON SKIN: MAY CAUSE SKIN IRRITATION IF SKIN IS BROKEN

IF SWALLOWED: INGESTION WILL RESULT IN GASTROINTESTINAL IRRITATION

IF INHALED: NO ADVERSE EFFECTS FROM INHALATION

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: FLUSH WITH CLEAR WATER, SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

IF ON SKIN: FLUSH WITH CLEAR WATER, SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

IF SWALLOWED: DO NOT INDUCE VOMITING, DRINK LARGE VOLUMES OF CLEAR WATER AND CONTACT PHYSICIAN

IF INHALED: N/A

VII-SPILL AND LEAK PROTECTION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: FLUSH ALL SURFACES WITH CLEAR WATER.

WASTE DISPOSAL METHOD: FLUSH ALL WASTE PRODUCT TO SEWER

VIII – SPECIAL PROTECTION INFORMATION

VENTILATION:

LOCAL EXHAUST: ADEQUATE

MECHANICAL (GENERAL): ADEQUATE **SPECIAL:** N/A

OTHER: N/A

RESPIRATORY PROTECTION: NONE REQUIRED

PROTECTIVE GLOVE: RUBBER TO PROTECT SKIN BREAKS

EYE PROTECTION: GOGGLES IF DESIRED

OTHER PROTECTIVE EQUIPMENT: NONE REQUIRED

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP PRODUCT OUT OF REACH OF CHILDREN. DO NOT STORE NEAR HEAT OR OPEN FLAME. KEEP CONTAINER SEALED WHEN NOT IN USE TO PREVENT CONTAMINATION.

OTHER PRECAUTIONS: PROTECT PRODUCT FROM FREEZING. DISPOSE OF EMPTY CONTAINER IN AN AUTHORIZED LANDFILL SITE.

WORK/HYGIENIC: N/A

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