

# MATERIAL SAFETY DATA SHEET

## SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **MICROZYMES (Water Soluble Pouches)** ID NUMBER: 8100 PRODUCT USE/CLASS: ENZYME TREATMENT  
MANUFACTURER: CHEMICAL UNIVERSE 1133 SALINE, N. KANSAS CITY, MO 64116 EMERGENCY TELEPHONE: 800-424-9300  
PREPARED BY: D. ACKART INFORMATION CONTACT: 816-471-3602 PREPARE DATE: 11-15-08

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. PERCENT IS LESS THAN	TLV-TWA	TLV-STEL	PEL-TWA	SKIN DESIGNATION
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No Hazardous Materials are contained in this Product

(See Section 11 for abbreviation legend)

## SECTION III - PHYSICAL DATA

BOILING RANGE: N/A PH: 6.0 TO 7.0 (IN WATER DISPERSION) ODOR: YEAST LIKE ODOR SPECIFIC GRAVITY: N/A  
APPEARANCE: STRAW COLORED POWDER EVAPORATION RATE: N/A SOLUBILITY IN H2O: DISPERSES IN WATER

(See Section XI for abbreviation legend)

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A (POWDER) LOWER EXPLOSIVE LIMIT: N.A. UPPER EXPLOSIVE LIMIT: N.A.

EXTINGUISHING MEDIA: WATER, CHEMICAL FOAM, WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN.

SPECIAL FIREFIGHTING PROCEDURES: NONE KNOWN.

## SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - EYE CONTACT: IRRITATION AND TEARING

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: MAY IRRITATE SENSITIVE SKIN.

EFFECTS OF OVEREXPOSURE - INHALATION: DUST EFFECT.

EFFECTS OF OVEREXPOSURE - INGESTION: MAY CAUSE MILD DIARRHEA (SOAP EFFECT).

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: NONE KNOWN.

FIRST AID - EYE CONTACT: FLUSH WITH WATER 15 MINUTES, LIFTING EYELIDS.

FIRST AID - SKIN CONTACT: FLUSH WITH WATER.

FIRST AID - INHALATION: REMOVE PERSON TO FRESH AIR

FIRST AID - INGESTION: DRINK WATER. IF LARGE AMOUNTS ARE INGESTED, INDUCE VOMITING. CALL PHYSICIAN.

PRIMARY ROUTE(S) OF ENTRY: INHALATION: REMOVE PERSON TO FRESH AIR

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SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN.

CONDITIONS TO AVOID: NONE KNOWN.

INCOMPATIBILITY: STRONG OXIDIZING AGENTS.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: DIKE FOR RECOVERY OR DISPOSAL. SMALL AMOUNTS, FLUSH TO SEWER.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH APPROPRIATE FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: No Information.

VENTILATION: No Information.

SKIN PROTECTION: GLOVES NEEDED FOR EXTRA SENSITIVE SKIN.

EYE PROTECTION: SAFETY GLASSES OR GOGGLES.

OTHER PROTECTIVE EQUIPMENT: No Information.

HYGIENIC PRACTICES: WASH AFTER EACH USE.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: No Information.

OTHER PRECAUTIONS: No Information.

SECTION X - HMIS RATINGS

HMIS RATINGS	HEALTH: 0	FLAMMABILITY: 0	REACTIVITY: 0
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SECTION XI - OTHER REGULATIONS

SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

-----	CHEMICAL NAME	-----	CAS NUMBER		WT/WT %
No SARA Section 313 components exist in this product.					

PREVIOUS MSDS REVISION DATE: 11/17/07

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS is been checked and should be accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

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