

MATERIAL SAFETY DATA SHEET
(ESSENTIALLY SIMILAR TO OSHA FORM 20, COMPLIES WITH 29CFR
1910:1200)

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

HAZARD RATING: HEALTH - 1, FIRE - 0, REACTIVITY - 0
MINIMAL - 0 SLIGHT - 1 MODERATE - 2 SERIOUS - 3 SEVERE - 4

*****SECTION I: GENERAL INFORMATION*****

MANUFACTURED FOR: MAINTENANCE SOLUTIONS, INC..
ADDRESS: 7755 E. GELDING #C103
SCOTTSDALE, AZ 85260
TELEPHONE NUMBER: (480) 607-9593
DATE ISSUED/REVISED: DECEMBER 13, 2006
EMERGENCY RESPONSE NUMBER: 800-255-3924 CHEM-TEL
ITEM NO.: C-504
PRODUCT NAME: APPLE-ZYME ENZYMES WITH BACTERIAL ACTION
CHEMICAL NAME: BACTERIAL CULTURES
CHEMICAL FAMILY: LIQUID BACTERIAL/ENZYME DIGESTER

HAZARDOUS MATERIAL DESCRIPTION

(PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101)

NONE

*****SECTION II: HAZARDOUS INGREDIENTS*****

AS LISTED IN EPA 40CFR PARTS 261 & 116 AND/OR MASS. DEQE CMR 670.00

CHEMICAL NAME	CAS NO.	% BY WEIGHT	HAZARD DATA
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...CONTAINS NO INGREDIENT LISTED AS A CARCINOGEN OR POTENTIAL
CARCINOGEN BY
IARC, NTP, OR OSHA.

*****SECTION III: PHYSICAL DATA*****

BOILING POINT/RANGE (F): COMPARABLE TO WATER
SPECIFIC GRAVITY (WATER=1): 1.0
% VOLATILE BY VOLUME: GREATER THAN 90%
EVAP. RATE (BUAC=1): COMPARABLE TO WATER (SLOWER)
WEIGHT/GALLON (WATER=8.33#): 8.33#
SOLUBILITY IN WATER: COMPLETE
VAPOR PRESSURE (MM/HG): COMP TO WATER
PHYSICAL STATE: OFF WHITE, MILKY LIQUID
VAPOR DENSITY (AIR=1): COMPARABLE TO WATER (HEAVIER)
ODOR: FRESH APPLE

*****SECTION IV: FIRE AND EXPLOSION HAZARD DATA*****

FLASH POINT (METHOD USED): NONE
FLAMMABLE LIMITS: LEL: NA UEL: NA
FIRE EXTINGUISHING MEDIA: WATER FOG, FOAM, GAS (CO2/HALON), DRY
CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: NONE

*****SECTION V: HEALTH HAZARD DATA*****

THRESHOLD LIMIT VALUE: NOT ESTABLISHED
PRIMARY ROUTES OF ENTRY: SKIN ABSORPTION
EFFECTS OF OVEREXPOSURE:
...ACUTE - MAY CAUSE SLIGHT SKIN AND EYE IRRITATION.
...CHRONIC - MAY CAUSE SENSITIVITY TO SKIN IRRITATION AND DERMITITIS
EMERGENCY AND FIRST AID PROCEDURES:
...INHALATION - NO HAZARD.
...EYES - FLUSH THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15
MINUTES, KEEPING EYELIDS APART. IF IRRITATION PERSISTS, GET MEDICAL
HELP.
...SKIN - SEE "EYES." WASH THOROUGHLY WITH SOAP AND WATER
...INGESTION - DRINK LARGE QUANTITIES OF WATER. GET MEDICAL ATTENTION.

*****SECTION VI: REACTIVITY DATA*****

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID:
...EXCESSIVE EXPOSURE TO SKIN OR EYES AND TEMPERATURES ABOVE 110°F
MATERIALS TO AVOID:
...DO NOT MIX WITH OTHER CHEMICALS. STRONG ACIDS OR ALKALI MAY
INACTIVATE BACTERIA CULTURES.
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

*****SECTION VII: SPILL OR LEAK PROCEDURES*****

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
...RINSE AREA WITH WATER OR ABSORB WITH FLOOR ABSORBENT, SAWDUST OR
RAGS.
WASTE DISPOSAL:
...PRODUCT IS BIODEGRADABLE. FLUSH DOWN SANITARY SEWER OR PLACE IN
TRASH RECEPTACLE FOR DISPOSAL.

*****SECTION VIII: SPECIAL PROTECTION INFORMATION*****

RESPIRATORY PROTECTION: NONE REQUIRED.
VENTILATION TYPE: LOCAL EXHAUST ADEQUATE.
PROTECTIVE GLOVES: RECOMMENDED.
EYE PROTECTION: RECOMMENDED.
OTHER PROTECTIVE EQUIPMENT: NONE REQUIRED

*****SECTION IX: SPECIAL PRECAUTIONS*****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: AVOID CONTACT WITH
OPEN WOUNDS, EYES, EXCESSIVE SKIN CONTACT. DO NOT TAKE INTERNALLY.
DO NOT STORE ABOVE 110°F OR IN DIRECT SUNLIGHT. KEEP FROM FREEZING.
WASH HANDS AFTER USE.
OTHER PRECAUTIONS: KEEP OUT OF THE REACH OF CHILDREN. KEEP
CONTAINER CLOSED WHEN NOT IN USE.