NFPA RATING: Heal	th = 0 Flammability = 0	Reactivity = 0					
HMIS RATING: Heal	th = 0 Flammability = 0	Reactivity = 0					
	-	·					
SECTION I IDENTITY AND MANUFACTURER'S INFORMATION (0732A)							
Manufacturer's Name	: HILLYARD INDUSTRIES	Product Name: LIQUID ENZYME II					
Address:	302 North Fourth Street	Date Prepared: September 18, 1995					
	St. Joseph, MO 64501	Prepared by: Regulatory Affairs Department					
Emergency Telephone No.: (800) 424-9300 (Only in the event of chemical emergency involving a spill, leak, fire,							
exposure or accident involving chemicals.)		Other information calls: (816) 233-1321 (Ext. 8285)					
-	-	http://www.hillyard.com					
SECTION II INGREDIENTS/IDENTITY INFORMATION							
Components							
(Specific Chemical Id	entity:	OTHER LIMITS					

(Specific Chemical Identity:				OTHER LIMITS		
Common Name(s)	CAS#	OSHA PEL	ACGIH TLV	RECOMMENDED	%	
Water	7732-18-5	none	none	N/A		
Mixture of Bacterial Spores	N/A	not established	not established	N/A		

SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: Specific Gravity ($H_2O = 1$): 25°C = 0.99 $\& 39^{\circ}C = 0.99$ 207°F Vapor Pressure (mm Hg.): 17.8 **Percent Volatile by Volume (%):** 99.8% Vapor Density (AIR = 1): **Evaporation Rate (ethyl ether = 1):** slower than 1 0.6 Solubility in Water: Appearance and Odor: Milky white emulsion, floral/mint odor complete pH (concentrate) = 6.5-7.5

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash point:None to Boiling (Tag Closed Cup)Flammable Limits:LEL =N/AUEL =N/AExtinguishing Media:N/ASpecial Fire Fighting Procedures:None known to manufacturer.Unusual Fire and Explosion Hazards:None known to manufacturer.

SECTION V -- PHYSICAL HAZARDS

Stability: Stable Conditions to Avoid: Excessive hot or cold temperatures may kill microorganisms.
Incompatibility (Materials to Avoid): Strong acids, alkalis or disinfectants may kill these microorganisms.
Hazardous Decomposition Products or Byproducts: None known to manufacturer.
Hazardous Polymerization: Will not occur. Conditions to Avoid: None known to Hillyard.

SECTION VI -- HEALTH HAZARD DATA

Routes of entry: Inhalation? no Skin? no Ingestion? no

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. According to Primary Skin Irritation Test (FHSA), product concentrate is not an irritant; prolonged exposure may produce slight irritation in sensitive individuals; Eye Irritation Test (FHSA) = not irritant. When tested as specified this product was not considered to be a UN/DOT corrosive at 4 hours.

2. No data is available at this time.

Chemical listed as Carcinogen or Potential Carcinogen:

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National Toxicology Program = No I.A.R.C. Monographs = No OSHA = No
This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.
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MATERIAL SAFETY DATA SHEET

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SECTION VI -- HEALTH HAZARD DATA cont.

Signs and Symptoms of Exposure: Prolonged skin contact with concentrate can cause mild irritation. Ingestion may cause nausea.

Medical Conditions Generally Aggravated by Exposure: None known to manufacturer.

Emergency and First Aid Procedures: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. If ingested give person several glasses of water and induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Flush with water and pick up with mop.

Waste Disposal Method: This product may be disposed of in sanitary sewer or septic tank. Container disposal: Triple rinse or equivalent, then offer clean, dry container for recycling or reconditioning. Waste from normal use may be sewered to a public-owned treatment works in compliance with applicable federal, state and local requirements.

Precautions To Be Taken In Handling And Storing: Keep container closed when not in use. Store at temperatures between 40° - 115°F to maintain microorganism population in container.

Other Precautions: Keep out of reach of children. Avoid contact with skin. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR Part 372.

SECTION VIII -- CONTROL MEASURES

Respiratory Protection (Specify Type): Not required for normal use. Ventilation: Not required for normal use. Local Exhaust = N/A Mechanical (General) = N/A Special = N/A Other = N/A Impervious gloves Eve Protection: Splash goggles suggested **Protective Gloves:** Other Protective Clothing or Equipment: Not required. Work / Hygienic Practices: Wash thoroughly after handling.

SECTION IX - TRANSPORTATION INFORMATION

Applicable regulations: 49 CFR = no;IMCO = no;IATA = noProper shipping name: Cleaning CompoundUN No.: not applicableLimited Qty.: not applicableHazard Class: not applicableLabels required: not requiredDOT Exception: not applicableEPA Hazardous waste number / code: not listedHazardous waste characteristics: not listedIgnitability = not applicable;Corrosivity = not applicable;Reactivity = not applicable

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