

Material Safety Data Sheet



HEALTH
FLAMMABILITY

HMIS®

1 REACTIVITY 0
3 PERSONAL PROTECTION A

Identity: Liquid Alive Enzyme Digestant
Formula: B334
Part numbers: 33432, 33401, 33405, 33494, 33435, 33455

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

SECTION 1: Company Identification

Manufacturer's Name ITW Dymon	Emergency Telephone Number 1-800-535-5053
Address (Number, Street, City, State, and ZIP Code) 805 East Old 56 Highway	International Emergency Telephone Number 1-352-323-3500
Olathe, Kansas 66061	Telephone Number for Information 1-913-397-9889
	Signature of Preparer (Optional) Regulatory Dept.

SECTION 2: Ingredients/Identity Information

Components (Chemical Identity, Common Name(s))	CAS No.	OSHA PEL	ACGIH-TLV	Other Limits Recommended	% (Opt.)
Water	7732-18-5	None	None		60 – 100%
Aliphatic Petroleum Distillate	64742-89-8	5 mg/m ³ (mist)	5 mg/m ³ (mist)		3 – 7%
Methanol (skin designation)	67-56-1	200 ppm	200 ppm	STEL 250 ppm	1 – 5%
Nonoxynol 10	9016-45-9	None	None		0.5 – 1.5%

Any substance listed as hazardous by the States of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

SECTION 3: Hazards Identification

Route(s) of Entry	Eyes?	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes	Yes

Acute Health Hazards - Warning. Flammable liquid and vapor. Causes eye irritation. May cause skin irritation. Harmful if swallowed (contains approx. 2% methanol). Aspiration hazard. Mist may cause nose and throat irritation. Follow good chemical hygiene practices to avoid these hazards.

Chronic Health Hazards - Prolonged or repeated occupational overexposure may lead to dermatitis.

Carcinogenicity:

Chemical:	OSHA:	NTP:	IARC:
None	No	No	No

Signs and Symptoms of Exposure - Redness, drying and cracking skin. Redness, tearing and burning in eyes. Ingestion may induce nausea or diarrhea.

Medical Conditions Generally Aggravated by Exposure - Pre-existing skin conditions could be aggravated by exposure.

SECTION 4: Emergency and First Aid Procedures:

Eyes - Flush with plenty of water for at least 15 minutes lifting eyelids to insure complete removal. See a physician immediately.

Ingestion - Aspiration hazard. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Inhalation - Get to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration.

Skin - Wash thoroughly with soap and water. If irritation arises and persists, call a physician.

SECTION 5: Fire Fighting Measures

Flash Point (Method Used)	Flammable Limits	LEL	UEL
65° F (PMCC)	No Data	No Data	No Data

Extinguishing Media - Use carbon dioxide, dry chemical, foam, fog or water spray.

Special Fire Fighting Procedures - Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways. Wear self-contained breathing apparatus (SCBA) in chemical fires.

Hazardous Products of Combustion- Carbon dioxide, carbon monoxide, smoke and soot.

Unusual Fire and Explosion Hazards - Flammable liquid and vapor.

SECTION 6: Accidental Release Measures

Small Spill - Caution, slip hazard. Wipe up small releases with a dry absorbent cloth or other absorbent material.

Large Spill – Ventilate area and block traffic. Eliminate ignition sources. Wear protective gear as required. Absorb liquid with vermiculite, absorbent cloth, or other absorbent material. Prevent material from entering sewers or drains. Transfer contaminated material into suitable container for proper disposal.

SECTION 7: Handling and Storage

Handling - Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use with adequate ventilation. Do not swallow. Avoid inhaling mist or vapors. Do not smoke while using.

Storage – Follow label directions carefully. Keep out of reach of children. Store in a cool (under 120° F) dry location away from heat, sparks, open flame, direct sunlight, etc. Keep container tightly sealed when not in use. Do not contaminate water, food or feed by use or storage.

SECTION 8: Exposure Controls / Personal Protection

Eye Protection – Yes, approved goggles or safety glasses (ANSI Z87).

Skin Protection – Not usually necessary, only if prolonged direct contact is possible.

Respiratory Protections – Not usually necessary. Use with adequate ventilation. Use NIOSH/MSHA approved respirator if PELs or TLVs are exceeded.

Engineering Controls – Ventilation not usually necessary but should be provided in the event of overexposure.

SECTION 9: Physical and Chemical Properties

Appearance and Odor:	Opaque white liquid with a pleasant scent.
PH	9.5 ± 0.5
Specific Gravity (70°F)	0.986
Boiling Point:	212° F
Melting Point:	No Data
Evaporation Rate (Butyl Acetate = 1)	No Data
Vapor Pressure (mm-Hg @ 70°F)	No Data
Vapor Density (AIR = 1)	> 1
Solubility in Water	Soluble
Volatile Organic Compounds (VOCs)	78.9 grams per liter or 8.0% by weight VOCs.

SECTION 10: Stability and Reactivity

Hazardous Polymerization – This product will not undergo hazardous polymerization.

Hazardous Decomposition or Byproducts – Carbon dioxide, carbon monoxide, smoke and soot.

Chemical Stability - Stable

Incompatibility (Materials to Avoid) - Strong acids, alkalis and oxidizers, and selected amines.

SECTION 11: Toxicological Information

No Data

SECTION 12: Ecological Information

No Data

SECTION 13: Disposal Consideration

Disposal Method - Dispose of in accordance with all applicable local, state, and federal regulations.

RCRA Waste Information – If this product becomes a waste, it would be a hazardous waste (D001) as defined by RCRA (40 CFR 261). However the waste should be properly characterized to evaluate whether its composition has been modified prior to disposal.

SECTION 14: Transport Information

DOT Information – 49 CFR 172.101

Quarts & Gallons:

Proper Shipping Description: Consumer commodity

Hazard Class: ORM-D

Identification Number: None

Packing Group: None

Bulk:

Proper Shipping Description: Flammable Liquid, N.O.S., (VM&P Naptha, Methanol)

Hazard Class: 3

Identification Number: UN1993

Packing Group: III

Air Transportation:

Proper Shipping Description: Flammable Liquid, N.O.S., (VM&P Naptha, Methanol)

Hazard Class: 3

Identification Number: UN1993

Packing Group: III

Marine Pollutants: None

SECTION 15: Regulatory Information

US Federal Regulations:

TSCA (Toxic Substances Control Act) Status

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

CERCLA RQ – 40 CFR 302.4 (a)

Methanol (CAS# 67-56-1) – 5000 lbs.

SARA 313 Components – 40 CFR 372.65

Methanol (CAS# 67-56-1) – 1.85%

State and Local Regulations:

California Proposition 65

Warning: This product contains a trace chemical (Ethylene Oxide and Propylene Oxide) known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 16: Additional Information

Date Prepared:

Rev. 2 – 09/05/06

Rev. 1 - 06/13/06

WARNING! The use of this product is beyond the control of the manufacturer; therefore, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The user must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials. The manufacturer warrants only that this product meets the manufacturer's specifications for such product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, OR ANY OTHER MATTER, OF THIS PRODUCT. THE MANUFACTURER SHALL BE IN NO WAY RESPONSIBLE FOR THE IMPROPER USE OF THIS PRODUCT. The sole and exclusive remedy against the manufacturer for breach of warranty shall be reimbursement of the purchase price of the product in the event that a defective condition of the product shall be found to exist. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE.
