

Material Safety Data Sheet



HEALTH

FLAMMABILITY

HMIS®

1

REACTIVITY

0

3

PERSONAL PROTECTION

B

Identity: Liquid Alive Enzyme Digestant

Formula: A334

Part numbers: 33416, 33420

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%
Isobutane	75-28-5	800 ppm	800 ppm		5 – 10%
VM & P Naphtha (mist)	64742-89-8	5 mg/m ³	5 mg/m ³		3 – 7%
Methanol (skin designation)	67-56-1	200 ppm	200 ppm	250 ppm (STEL)	1 – 5%
Propane	74-98-6	1000 ppm	Asphyxiant		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. Aspiration hazard. Harmful or fatal if swallowed. May cause eye and skin irritation. May cause respiratory tract irritation. Contents under pressure. Toxic by ingestion.

Chronic Health Hazards - None known

Carcinogenicity:

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

Signs and Symptoms of Exposure - Redness, tearing, burning in eyes. Defatting or drying of skin, cracking. Narcotic effects possible with inadequate ventilation. Irritation of nose and throat. Aspiration hazard. Contains methanol (less than 2.5%).

Medical Conditions Generally Aggravated by Exposure - Pre-existing skin and lung disorders. Follow good chemical hygiene procedures to avoid this hazard.

SECTION 4: Emergency and First Aid Procedures:

Eyes - Flush with plenty of water for at least 15 minutes lifting eyelids to insure complete removal. Get immediate medical attention.

Ingestion - Do not induce vomiting. Get immediate medical attention.

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

Skin - Flush with plenty of water for at least 15 minutes. If irritation occurs or persists, see physician.

SECTION 5: Fire Fighting Measures

USA Flame Projection Test	Flammable Limits	LEL	UEL
6" - 8", No flashback (Flammable)	No Data	No Data	No Data
Extinguishing Media - Carbon dioxide, dry chemical, foam or water fog acceptable.			

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 and carbon monoxide.

Unusual Fire and Explosion Hazards - Aerosol container (pressurized) may burst if heated over 120° F. Foam may retain propellant.

SECTION 6: Accidental Release Measures

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

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

SECTION 7: Handling and Storage

Handling - Do not get in eyes. Avoid contact with skin and clothing. Do not swallow. Do not deliberately concentrate and inhale vapors. Do not use around ignition sources such as heat, sparks, open flame, etc. Wash thoroughly after handling. Contains petroleum distillates. Aspiration hazard. Direct spray away from face. Use with adequate ventilation. Avoid inhaling mist or vapors.

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

SECTION 8: Exposure Controls / Personal Protection

Eye Protection – Yes, safety glasses w/ side shields, or goggles (ANSI Z87).

Skin Protection – Yes (impermeable, i.e. rubber, neoprene, etc.)

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:	Thin white opaque liquid with a pleasant scent in an aerosol can.
PH	9.5 ± 0.5
Specific Gravity (70°F)	0.988
Boiling Point:	212° F
Melting Point:	No Data
Evaporation Rate (Butyl Acetate = 1)	> 1
Pressure (psig. @ 70°F)	60 ± 10
Vapor Density (AIR = 1)	> 1
Solubility in Water	Complete
Volatile Organic Compounds (VOCs)	176.5 grams per liter or 19% by weight VOCs

SECTION 10: Stability and Reactivity

Hazardous Polymerization – This product will not undergo hazardous polymerization.

Hazardous Decomposition or Byproducts – Carbon dioxide and carbon monoxide.

Chemical Stability - Stable

Incompatibility (Materials to Avoid) - Strong acids and oxidizers, 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

Proper Shipping Description: Consumer Commodity

Hazard Class: ORM-D

Identification Number: None

Packing Group: None

Water Transportation:

Proper Shipping Description: Aerosols

Hazard Class: 2

Identification Number: UN 1950

Packing Group: None

Air Transportation:

Proper Shipping Description: Aerosols, flammable

Hazard Class: 2.1

Identification Number: UN 1950

Packing Group: None

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 – 5000 lbs.

SARA 313 Components – 40 CFR 372.65

Methanol (CAS: 67-56-1) – 2.25%

State and Local Regulations:

California Proposition 65

WARNING: This product contains trace chemicals known to the State of California to cause cancer, and/or birth defects or other reproductive harm.

Section 16: Additional Information

Date Prepared:

Rev. 2 – 08/31/06

Rev. 1 - 04/03/06

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.
