

Section 1 – Product and Company Identification

Product(s): **Liquid Alive® Enzyme Digestant**
Formula: B334
Part Number(s): 33401, 33432

Company Name & Address:



805 E. Old 56 Hwy.
Olathe, KS 66061
800-443-9536 (8 a.m. – 5 p.m. Weekdays, CDT)

Emergency Numbers:

IN CASE OF EMERGENCY, CALL Infotrac @ 1-800-535-5053, 24 hrs.
INTERNATIONAL EMERGENCY NUMBER 352-323-3500
Poison Control Center: 1-800-222-1222

Material Safety Data Sheets:

www.dymon.com**Section 2 – Hazards Identification**

WARNING. Aspiration hazard. Harmful or fatal if swallowed. Flammable liquid and vapor. Causes eye irritation. May cause skin irritation. May cause respiratory tract irritation. Toxic by ingestion.

Potential Health Effects

EYES: Causes eye irritation.

SKIN: May cause skin irritation.

INHALATION: May cause respiratory tract irritation.

INGESTION: Aspiration hazard – toxic by ingestion.

Signs/symptoms of exposure: redness, tearing or burning in eyes. Drying, redness, and cracking of skin. Ingestion may cause nausea or diarrhea. Medical conditions generally aggravated by exposure: pre-existing skin conditions may be adversely affected. Follow good chemical hygiene practices to avoid these hazards.

HMIS Rating

Health – 1

Flammability – 3

Reactivity – 0

Personal Protection – A

Section 3 – Composition/Information on Ingredients

Ingredient	CAS Number	Percent Range
Water	7732-18-5	60 – 100
Butoxytriglycol	112-34-5	3 – 7
Sodium C12-14 Olefin Sulfonate	68439-57-6	1 – 5
Aliphatic Hydrotreated Naphthenic Petroleum Distillate	64742-89-8	0.5 – 1.5
Cocamide DEA	68603-95-5	0.5 – 1.5
Isopropyl Alcohol	67-63-0	0.5 – 1.5
Polydimethylsiloxane	63148-62-9	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 4 – First Aid Measures

EYES: Flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Seek medical attention immediately.

SKIN: Wash with soap and water. If irritation arises and persists seek medical attention.

INHALATION: Move to fresh air. If breathing has stopped, qualified personnel should administer artificial respiration.

INGESTION: If a large quantity of liquid is swallowed, do not induce vomiting, call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Section 5 – Fire Fighting Measures

Flashpoint (PMCC):	70° F
Extinguishing Media:	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:	Oxides of carbon, smoke, and soot.

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 all ignition sources. Absorb liquid with vermiculite, absorbent cloth, or other absorbent material. Prevent material from entering sewers and 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. Avoid inhaling mists or vapors. Do not swallow. Use only with adequate ventilation. Do not deliberately concentrate and inhale vapors. Do not use around ignition sources such as heat, sparks, open flame, etc. Aspiration hazard – contains petroleum distillates. Direct spray away from face. Follow good chemical hygiene practices when handling this material. Use from original container only and follow label directions carefully.
Storage:	Keep away from heat, sparks, open flame and direct sunlight. Store in a cool (less than 120° F) well-ventilated area. Keep out of reach of children. Do not contaminate water, food or feed by use or storage. Keep container tightly sealed when not in use.

Section 8 – Exposure Controls/Personal Protection

Engineering controls:	Ventilation not usually necessary but should be provided in the event of overexposure.
Exposure limits:	Butoxytriglycol (CAS # 112-34-5) 50 ppm OSHA PEL (Skin designation); 25 ppm OSHA VPEL (Skin designation); 20 ppm ACGIH; 35 ppm Dow Industrial Hygiene Guide Isopropyl alcohol (CAS# 67-63-0)=400 ppm OSHA-PEL; 400 ppm ACGIH-TLV
Eye protection:	Yes, wear approved safety glasses or goggles if direct contact is possible.
Skin protection:	Yes, wear impervious gloves if direct and prolonged contact is possible.
Respiratory protection:	Not usually necessary. If vapors are present or irritation is experienced, use NIOSH/MSHA approved respirator.

Section 9 – Physical and Chemical Properties

Appearance and Odor:	White liquid with a characteristic odor.	
pH:	8.5	Boiling Point: 212° F
Vapor Density:	>1	Flame Projection: None
Pressure:	N/A	Specific Gravity: 1.000
		Solubility in Water: Miscible
		Volatile Organic Compounds (VOCs): 2.94 % by weight

Section 10 – Stability and Reactivity

Hazardous Polymerization:	This product will not undergo hazardous polymerization.
Hazardous Decomposition or Byproducts:	Carbon monoxide, carbon dioxide, smoke, and soot.
Chemical Stability:	Stable
Incompatible Materials:	Strong acids, alkalis and oxidizers, and selected amines.

Section 11 – Toxicological Information

Isopropyl Alcohol, CAS# 67-63-0
 Dermal LD50=>2000 mg/kg, rabbit; LD50=>2000 mg/kg, rat; LC50=>5000 ppm, rat (1 hr)

Section 12 – Ecological Information

No data.

Section 13 – Disposal Considerations

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

Waste information: If this product becomes a waste, it would be considered a hazardous waste(D001) as defined by RCRA (40CFR261). However the waste should be properly evaluated in case of modification prior to disposal.

Section 14 – Transport Information

The following transportation information is based on Department of Transportation Regulations found in 49 CFR. If shipping this product by air please refer to International Air Transport Association (IATA) Dangerous Goods Regulations. If shipping this product by ocean please refer to International Maritime Dangerous Goods Regulations (IMDG). To find how to ship this product please refer to the UN# listed below.

	UN #	Proper Shipping Description	Hazard Class	Packing Group
DOT Information	None	Consumer Commodity	ORM-D	None

Marine Pollutants: None

Section 15 – Regulatory Information

US Federal Regulations

Toxic Substances Control Act (TSCA): All ingredients are on the TSCA inventory or exempt from listing.

CERCLA RQ

None

SARA 313 Components

Butoxytriglycol (CAS# 112-34-5) – 4.2%

State and Local Regulations

California Proposition 65

None

Section 16 – Other Information

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.