

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**HEALTH**

**HMIS®**

**1**

**REACTIVITY**

**0**

**FLAMMABILITY**

**2**

**PERSONAL PROTECTION**

**A**

**Identity** (As Used on Label and List)  
**33432, 33401, 33405, 33494, 33435, 33455**  
**Liquid Alive Enzyme Digestant**

*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 I

<b>Manufacturer's Name</b> ITW Dymon	<b>Emergency Telephone Number</b> 1.800.535.5053
<b>Address (Number, Street, City, State, and ZIP Code)</b> 805 East Old 56 Highway  Olathe, Kansas 66061	<b>Telephone Number for Information</b> 1.913.397.9889
	<b>Date Prepared</b> January 16, 2001
	<b>Signature of Preparer (Optional)</b> Regulatory Dept.

## SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS No.	OSHA PEL	ACGIH-TLV	Other Limits Recommended	%(Opt.)
VM & P Naphtha	64742-89-8	5 mg/m <sup>3</sup> (mist)	5 mg/m <sup>3</sup> (mist)		1 - 5 %
*Methanol	67-56-1	200 ppm (skin)	200 ppm (skin)	STEL 250 ppm	1 - 5 %
Hexylene glycol (ceiling values)	107-41-5	25 ppm (ceiling)	25 ppm (ceiling)		<1 %
(2-Methoxy methylethoxy)-propanol	34590-94-8	100 ppm	100 ppm	STEL 150 ppm	<1 %

\* This product contains methanol which is listed and may require reporting under SARA Title III Sec. 313 if used over the threshold reporting quantity. This information must be included in all MSDSs that are copied and distributed for this material.

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

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 III Physical/Chemical Characteristics

<b>Boiling Point</b> Initial	148 ° F	<b>Specific Gravity (H<sub>2</sub>O = 1)</b> @70° F	0.98
<b>Vapor Pressure (mm-Hg @ 70° F)</b>	No Data	<b>Melting Point</b>	No Data
<b>Vapor Density (AIR = 1)</b>	Greater than one (1)	<b>Evaporation Rate (Butyl Acetate = 1)</b>	No Data
<b>Solubility in Water</b>	Dispersible	<b>pH</b>	9.5 ± 0.5

**Appearance and Odor** - Opaque white liquid with a pleasant scent.

## SECTION IV - Fire and Explosion Hazard Data

<b>Flash Point (Method Used)</b> 109 ° F (PMCC)	<b>Flammable Limits</b> No Data	<b>LEL</b> No Data	<b>UEL</b> No Data
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### Extinguishing Media -

Use media appropriate for fuel source such as carbon dioxide, dry chemical, foam, fog, etc.

### Special Fire Fighting Procedures -

Keep containers cool and vapors down with water spray. Prevent runoff from entering sewers and public waterways. Wear SCBA in chemical fires.

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**Unusual Fire and Explosion Hazards -**  
Flammable liquid.

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**SECTION V - Reactivity Data**

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b> - None known
	<b>Stable</b>	<b>X</b>	

**Incompatibility (Materials to Avoid) -**

Strong acids, alkalies and oxidizers, and selected amines.

**Hazardous Decomposition or Byproducts -**

Carbon dioxide, carbon monoxide, smoke and soot.

<b>Hazardous Polymerization</b>	<b>May Occur</b>		<b>Conditions to Avoid</b> - None known
	<b>Will Not Occur</b>	<b>X</b>	

**SECTION VI - Health Hazard Data**

<b>Route(s) of Entry</b>	<b>Eyes?</b>	<b>Inhalation?</b>	<b>Skin?</b>	<b>Ingestion?</b>
	Yes	No	Yes	Yes

**Health Hazards (Acute and Chronic) -**

Warning. Flammable liquid and vapor. Causes eye irritation. May cause skin irritation. Harmful if swallowed (contains methanol, 2 - 3%). Aspiration hazard. Mist may cause nose and throat irritation. Prolonged or repeated occupational overexposure may lead to dermatitis. Follow good chemical hygiene practices to avoid these hazards.

<b>Carcinogenicity:</b>	<b>NTP?</b>	<b>IARC Monographs?</b>	<b>OSHA Regulated?</b>
None known	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.

**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** - Drink plenty of water, then call a physician or poison control center.

**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 VII - Precautions for Safe Handling and Use****Steps to be Taken in Case Material is Released or Spilled -**

Caution, slip hazard. Wipe up small spills with an absorbent material. For large spills, isolate and ventilate area. Eliminate ignition sources. Dike to prevent spread. Wear protective gear as required. Pick up with vacuum or absorbent material and put in suitable container for proper disposal.

**Waste Disposal Method -**

Consult local, state, and federal regulations. Triple rinse empty container then offer for recycling, reuse, or reconditioning.

**Precautions to be Taken in Handling and Storing -**

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 swallow. Do not smoke while using.

**Other Precautions** - Follow label directions carefully. Keep out of reach of children. Keep container tightly sealed when not in use. Do not contaminate water, food or feed by use or storage.

**SECTION VIII - Control Measures****Respiratory Protection (Specify Type) -**

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

<b>Ventilation</b>	<b>Local Exhaust</b>	Not usually needed	<b>Special</b>	None
	<b>Mechanical (General)</b>	Yes	<b>Other</b>	None

**Protective Gloves -**

Only if contact is possible.

**Eye Protection -**

Yes, approved safety glasses or goggles (ANSI Z87)

**Other Protective Clothing or Equipment -**

Not usually necessary. If required, use apron, boots, face shield, etc. as needed.

**Work/Hygienic Practices**

Normal. Wash hands after use and before eating, drinking, smoking, using restrooms, etc.

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 PROPER 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.