

Material Safety Data Sheet



HEALTH  
FLAMMABILITY

HMIS®

1 REACTIVITY 0  
0 PERSONAL PROTECTION A

**Identity:** Liquid Alive Bacteria  
**Formula:** B233  
**Part numbers:** 2332, 23301, 23325, 23305, 23395, 23394, 23335, 23355

*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**

<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	<b>International Emergency Telephone Number</b> 1-352-323-3500
Olathe, Kansas 66061	<b>Telephone Number for Information</b> 1-913-397-9889
	<b>Signature of Preparer (Optional)</b> 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		80 – 100%
Nonoxynol 10	9016-45-9	None	None		1 – 5%
Sodium dodecylbenzenesulfonate	25155-30-0	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**

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

**Acute Health Hazards** - Caution. May cause mild eye irritation.

**Chronic Health Hazards** - Repeated or prolonged skin contact may cause drying or dermatitis. Ingestion could lead to nausea or diarrhea. Follow good chemical hygiene practices to avoid these hazards.

**Carcinogenicity:**

<b>Chemical:</b> None	<b>OSHA:</b> No	<b>NTP:</b> No	<b>IARC:</b> No
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**Signs and Symptoms of Exposure** -

Redness, tearing or burning in eyes. Skin overexposures may bring about drying or cracking of skin. Nausea, vomiting, or diarrhea if swallowed.

**Medical Conditions Generally Aggravated by Exposure** -

Pre-existing skin conditions such as dermatitis may be adversely affected by this product if not properly used.

**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** - Do not induce vomiting unless directed by a physician. Drink plenty of water and call a physician or poison control center immediately.

**Inhalation** - If overexposed move into fresh air. If breathing has stopped, qualified personnel should administer artificial respiration.

**Skin** - Wash with soap and water. If symptoms develop seek medical attention.

**SECTION 5: Fire Fighting Measures**

<b>Flash Point (Method Used)</b> None to boiling. (PMCC)	<b>Flammable Limits</b> No Data	<b>LEL</b> No Data	<b>UEL</b> No Data
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**Extinguishing Media** - Not usually necessary as this product does not readily support combustion. Use media appropriate for fire's fuel source.

**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.

**Hazardous Products of Combustion**-Carbon dioxide, carbon monoxide, various hydrocarbons, hydrogen sulfide, sulfur dioxide, and soot.

**Unusual Fire and Explosion Hazards** - None known.

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**SECTION 6: Accidental Release Measures**

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**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.

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**SECTION 7: Handling and Storage**

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**Handling** – Avoid contact with eyes, skin and clothing. Avoid contact with open wounds. Use with adequate ventilation. Use from original container only. Follow label directions carefully.

**Storage** – Keep container tightly sealed when not in use. Store in a cool well ventilated area. Keep from freezing. Keep out of reach of children. Do not contaminate water, food or feed by use or storage.

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**SECTION 8: Exposure Controls / Personal Protection**

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**Eye Protection** – Yes, if direct contact is possible use approved safety glasses or goggles (ANSI Z87).

**Skin Protection** – None usually necessary. Only if 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.

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**SECTION 9: Physical and Chemical Properties**

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<b>Appearance and Odor:</b>	White opaque liquid with a natural fresh scent.
<b>PH</b>	9.0 ± 0.5
<b>Specific Gravity (70°F)</b>	1.006
<b>Boiling Point:</b>	212° F
<b>Melting Point:</b>	No Data
<b>Evaporation Rate (Butyl Acetate = 1)</b>	No Data
<b>Vapor Pressure (mm-Hg @ 70°F)</b>	No Data
<b>Vapor Density (AIR = 1)</b>	>1
<b>Solubility in Water</b>	Complete
<b>Volatile Organic Compounds (VOCs)</b>	5.4 grams per liter or 0.54% by weight VOCs.

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**SECTION 10: Stability and Reactivity**

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**Hazardous Polymerization** – This product will not undergo hazardous polymerization.

**Hazardous Decomposition or Byproducts** – Carbon dioxide, carbon monoxide, soot and various oxidation by-products.

**Chemical Stability** - Stable

**Incompatibility (Materials to Avoid)** - Strong oxidizers, strong reducers, strong alkalies and strong acids.

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**SECTION 11: Toxicological Information**

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No Data

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**SECTION 12: Ecological Information**

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No Data

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**SECTION 13: Disposal Consideration**

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

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**RCRA Waste Information** – If this product becomes a waste, it would not be a hazardous waste 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.

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**SECTION 14: Transport Information**

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**DOT Information – 49 CFR 172.101****Proper Shipping Description:** Compound, cleaning liquid**Hazard Class:** None**Identification Number:** None**Packing Group:** None**Water Transportation:****Proper Shipping Description:** Compound, cleaning liquid**Hazard Class:** None**Identification Number:** None**Packing Group:** None**Air Transportation:****Proper Shipping Description:** Compound, cleaning liquid**Hazard Class:** None**Identification Number:** None**Packing Group:** None**Marine Pollutants:** None

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**SECTION 15: Regulatory Information**

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**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)**

None Listed

**SARA 313 Components – 40 CFR 372.65**

None

**State and Local Regulations:****California Proposition 65****WARNING:** This product contains trace chemicals (Ethylene Oxide and Propylene Oxide) known to the State of California to cause cancer, and/or birth defects or other reproductive harm.

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**Section 16: Additional Information**

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**Date Prepared:****Revision: 3/7/05****Revision: 10/31/05**

**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.