

Material Safety Data Sheet

HMIS®

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

HEALTH

1

REACTIVITY

0

FLAMMABILITY

0

PERSONAL PROTECTION

A

Identity (As Used on Label and List)

33532 Liquid Alive Bio-Scrub

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

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 Olathe, Kansas 66061	Telephone Number for Information 1-913-397-9889
	Date Prepared April 3, 2000
	Signature of Preparer (Optional) 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.)
Calcium carbonate	1317-65-3	5 mg/m ³	10 mg/m ³		3 - 7 %
Dodecylbenzene sulfonic acid	27176-87-0	None	None		1 - 5 %

This product is not known to contain any compound in concentrations requiring reporting under SARA Title III Section 313.

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

Boiling Point Initial	212° F	Specific Gravity (H ₂ O = 1) @70° F	1.35
Vapor Pressure (mm-Hg @ 70° F)	No Data	Melting Point	No Data
Vapor Density (AIR = 1)	No Data	Evaporation Rate (Butyl Acetate = 1)	No Data
Solubility in Water	Soluble	pH	10 ± 0.5

Appearance and Odor

Opaque white emulsion with a sweet spicy scent.

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used) None to boiling point (TCC-est.)	Flammable Limits No Data	LEL No Data	UEL No Data
---	-----------------------------	----------------	----------------

Extinguishing Media -

Not usually necessary as this product does not readily support combustion. Use media appropriate for fire's 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.

Unusual Fire and Explosion Hazards -

High pressure water may cause excessive foaming.

SECTION V - Reactivity Data

Stability	Unstable		Conditions to Avoid - None known
	Stable	X	

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

Hazardous Decomposition or Byproducts -
Carbon dioxide, carbon monoxide, sulfur dioxide, hydrogen sulfide and nitrogen oxides.

Hazardous Polymerization	May Occur		Conditions to Avoid - None known
	Will Not Occur	X	

SECTION VI - Health Hazard Data

Route(s) of Entry	Eyes?	Inhalation?	Skin?	Ingestion?
	Yes	No	No	No

Health Hazards (Acute and Chronic) -
Warning. Causes eye irritation. May cause skin irritation. Repeated or prolonged contact may dry the skin leading to dermatitis. Follow good chemical hygiene practices when using this and other cleaning compounds.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
None known	No	No	No

Signs and Symptoms of Exposure -
Redness, tearing or burning in eyes. Irritation of the skin.

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 absorbant material. For large spills, isolate the area from traffic and dike to prevent spread. Wear protective gear if necessary. Pick up with a vacuum or an absorbant material and put in a suitable container for proper disposal. Residues may be flushed to a drain if allowed by pertinent sewer regulations.

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. Avoid contact with open wounds. Wash thoroughly after handling. Do not swallow. Use with adequate ventilation.

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.

Ventilation	Local Exhaust	Not usually needed	Special	None
	Mechanical (General)	Yes	Other	None

Protective Gloves -
Only needed if direct contact is possible.

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

Other Protective Clothing or Equipment -
Only if needed to prevent direct contact. Use apron, boots, face shield, etc. if 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.