

MATERIAL SAFETY DATA SHEET

CHEMSPEC © • 901 N. NEWKIRK STREET • BALTIMORE, MD 21205 • (410) 675-4800

HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 0, SPECIAL = NONE, DEGREE OF HAZARD: 4 = EXTREME, 3 = HIGH, 2 = MODERATE, 1 = SLIGHT, 0 = INSIGNIFICANT

PRODUCT NAME: **ENZYME CARPET SHAMPOO**

DOCUMENT CODE: Enzyme Carpet Shampoo

CHEMICAL FAMILY: Mixture

DATE: 06/22/93

DATE REVIEWED: 08/17/99

EMERGENCY 24-HOUR TELEPHONE # 1-800-424-9300 (CHEMTREC)

N/A = Not applicable

N/D = Not determined

SECTION I: HAZARDOUS INGREDIENTS/HEALTH HAZARD DATA

This product has not been tested as a whole for health effects on animals or humans. According to the OSHA Hazardous Communications Standard (29 CFR 1910.1200) any hazardous ingredients that comprise >1.0% of the material and any carcinogenic ingredients that comprise >0.1% must be listed on the MSDS.

SECTION I (a): List of carcinogenic ingredients at >0.1%.

None.

SECTION I (b): List of hazardous ingredients at >1.0%.

NAME	CAS NO.
------	---------

SODIUM ACID PYROPHOSPHATE	7758-16-9
----------------------------------	------------------

May cause eye and skin irritation. Ingestion of large quantities may cause nausea, diarrhea and possibly acidosis and hypocalcemic tetany. Oral rat LD50 is 1.8 g/kg; dermal rabbit LD50 is >300 mg/kg. OSHA PEL and ACGIH TLV not available.

SODIUM LAURYL SULFATE	151-21-3
------------------------------	-----------------

May cause transient eye and severe skin irritation. Oral rat LD50 is 1.3-5 g/kg. OSHA PEL and ACGIH TLV not available.

SECTION II: EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with water for at least 15 minutes. Consult physician.

SKIN: Remove contaminated clothing. Thoroughly wash exposed skin with soap and water.

INHALED: Remove to fresh air. If symptoms persist consult physician.

INGESTION: Rinse out mouth and drink water. Consult physician. Induce vomiting as directed.

PHYSICIAN: Treatment based on judgment of attending physician. Contains enzymes, which may be sensitizers.

SECTION III: PHYSICAL / CHEMICAL DATA

APPEARANCE AND ODOR: White free flowing powder with needles. Floral odor.

WATER SOLUBILITY, % BY WT: 55 - 60% LOOSE BULK DENSITY: 0.67 - 0.81 g/cc

%VOLATILE BY WT: < 1-% pH @ USE: 8.5 - 9.5

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: N/D AUTO-IGNITION TEMPERATURE: N/D

EXPLOSIVE LIMITS - LEL: N/D UEL: N/D

EXTINGUISHING MEDIA: Water spray, CO₂, alcohol foam or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Use NIOSH/MSHA approved self-contained positive-pressure breathing apparatus and protective clothing where this material is involved in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARD: None known.

SECTION V: REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Strong acids, bases and oxidizing agents.

HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS: Possibly unidentified organic compounds, H₂O, oxides of carbon and sulfur.**SECTION VI: SPILLS, LEAKS AND DISPOSAL PROCEDURES**

WASTE DISPOSAL: In accordance with Federal, State and Local regulations. NEUTRALIZING CHEMICALS: Water

SECTION VII: PROTECTION MEASURES

VENTILATION: Use in well-ventilated area.

EYE PROTECTION: Chemical resistant safety glasses.

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved dust mask when airborne dust is anticipated.

GLOVES: Rubber gloves. OTHER PROTECTIVE EQUIPMENT: Body-covering clothing should be worn.

SECTION VIII: SPECIAL PRECAUTIONS

One should always use chemicals with awareness of potential hazards, known and unknown, and their effect on the human system. We urge users to minimize employee exposure to all chemicals, including this product and to keep the level of exposure commensurate with good industrial hygiene practices.

DISCLAIMER OF LIABILITY

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material and the results to be obtained from the use thereof.