

MATERIAL SAFETY DATA SHEET

Complies with OSHA Communication Standard (29CFR 1910.1200)

PRODUCT NAME:
SPORZYME® WSP 4B

Novozymes
Biologicals, Inc.

111 Kesler Mill Rd.
Salem, VA 24153
Prepared February 23, 2004

EMERGENCY PHONE: (540) 389-9361
FAX: (540) 389-9364
CHEMTREC: (800) 424-9300

SECTION 1 - MATERIAL IDENTIFICATION & HAZARD COMPONENTS

Common Names and Synonyms: **SPORZYME® WSP 4B - Bacterial Spore Concentrate**

Formula: **Mixture**

Ingredients: **Trade Secret**

Chemical Name: **N/A**

Substance	Approx. %	OSHA PEL	ACGIH TLV	CARCINOGENICITY NPT IARC OSHA	CAS No.
-----------	--------------	-------------	--------------	----------------------------------	------------

Contains No Hazardous Components as Listed in 29 CFR 1910.1200 or Other
Pertinent Sections of OSHA Regulations. This product is not approved for sale in Canada.

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°F): **N/A**

Vapor Pressure (mm Hg): **N/A**

Vapor Density (air=1): **N/A**

Water Solubility: **Appreciable**

Appearance and Odor: **Tan Powder, Bland Odor**

Specific Gravity: **N/A**

Evaporation Rate (water=1): **N/A**

Water Reactive: **N/A**

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Test Method (°F): **None, Closed Cup**

Auto-ignition Temperature: **Not Determined**

Flammable Limits in Air % by Volume – Upper: **Not Determined**

Lower: **Not**

Extinguishing Media: **Water, Foam, Carbon Dioxide, Dry Chemical**

Special Fire Fighting Procedure: **Moisten with Water to Reduce Dust Explosion Hazard**

Unusual Fire and Explosion Hazard: **None**

SECTION 4 - REACTIVITY HAZARD DATA

Stability: **Stable**

Incompatibility: **None**

Conditions to Avoid: **None**

Hazardous Polymerization: **Will Not Occur**

Hazardous Decomposition Products: **Oxides of Carbon**

PRODUCT NAME: **SPORZYME® WSP 4B**

SECTION 5 – HEALTH HAZARD DATA

Primary Route(s) of Entry: **Eye and Skin Contact, Ingestion, and Inhalation.**

Carcinogen Listed In: **Not Listed.**

Health Hazards: **Acute irritation sensations. No known chronic effects.**

Signs & Symptoms of Exposure: **Mild irritation, redness of eyes. Prolonged or repeated exposure may cause mild skin irritation. Nausea, vomiting, or diarrhea may result from ingestion.**

Medical conditions Generally Aggravated by Exposure: **Bacterial infection may occur through open wounds or broken skin. Dust from powder may affect people with asthma.**

Emergency First Aid Procedures: **Flush eyes with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention. Avoid contact with open wounds or broken skin. In case of skin contact, wash area with soap and water, apply a topical antiseptic agent. In case of ingestion, give affected person several glasses of water and induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person.**

SECTION 6 – CONTROL & PROTECTIVE MEASURES

Respiratory Protection: **Dust Respirator**

Protective Gloves: **Rubber Gloves**

Eye Protection: **Chemical Goggles**

Ventilation: **Local Exhaust**

Other Protective Equipment: **Cover Exposed Skin**

Hygienic Work Practices: **Wash Hands Thoroughly After Use**

SECTION 7 – PRECAUTION FOR SAFE HANDLING & USE/LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled: **Ventilate area. Pick up on absorbent material or flush away with water.**

Waste Disposal Method: **Consult Local Environmental Authorities.**

Precautions to be Taken in Handling and Storage: **Store in a cool, dry place. Keep container tightly closed when not in use. To maintain biological properties, do not freeze and do not store above 100°F.**

Other Precautions: **Keep out of Reach of Children.**

HMIS HAZARD RATING INFORMATION	<u>FLAMMABILITY</u>	<u>HEALTH</u>	<u>REACTIVITY</u>
0-Minimal 1-Slight 2-Moderate 3-Serious 4-Severe	0	1	0

SECTION – 8 REGULATORY INFORMATION

SARA/TITLE III – CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 304.4): This product does not contain an ingredient(s) listed as a hazardous ingredient for Emergency Release Notification under section 304.

SARA/TITLE III – List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 300 & 305): This product does not contain an ingredient(s) listed as an extremely hazardous substance (EHS) for Emergency Planning under sections 301-303 and for Emergency Release Notification under section 304.

SARA/TITLE III – List of Toxic Chemical subject to Release Reporting (Community Right to Know (40 CFR 372): This product does not contain an ingredient(s) listed as a toxic chemical for Annual Release Reporting Requirements under section 313.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Novozymes Biologicals, Inc. assumes no responsibility for personal injury or property damage to the Vendee, Users or Third Parties caused by the material. Such Vendees or Users assume all risks associated with the use of this material.