

NOVOZYMES BIOLOGICALS, INC.
111 Kessler Mill Road
Salem, VA 24153

Telephone number: 540-389-9361 Fax: 540-389-9364

Emergency Contact: 540-389-9361 CHEMTREC: 1-800-424-9300

Material Safety Data Sheet

Date: 03/07/2007

SECTION I—PRODUCT IDENTIFICATION

NAME: BI-CHEM-LDF CAN	PRODUCT CODE - 9843
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DOT CLASS: Non-regulated
UN NUMBER: NA
PROPER SHIPPING NAME: NA

HMIS RATING & CANADIAN WHMIS CLASSIFICATION

HEALTH	1	CANADIAN WHMIS CLASSIFICATION:	D 2 B
FIRE	0		
REACTIVITY	0		

CANADIAN FOOD INSPECTION AGENCY

This product has been approved by the Canadian Food Inspection Agency (CFIA) for use in registered establishments provided that it is used in keeping with the instructions outlined on the product label.

SECTION II - INGREDIENTS

ALL COMPONENTS APPEAR ON THE TSCA INVENTORY AND THE CANADIAN DSL LIST. COMPONENTS NOT LISTED ARE EITHER NON HAZARDOUS OR IN CONCENTRATIONS OF LESS THAN 1%.

Ingredient Name	CAS Number	OSHA PEL	ACGIH TLV/TWA
Proprietary mixture	NA	NA	NA

SECTION III – PHYSICAL CHARACTERISTICS

Boiling Point	Not known	Appearance and Odor	Blue liquid, perfumed.
Specific Gravity	Approximately 1	Melting Point	NA
pH	7.0 – 7.8	Vapor Density	No data
Vapor Pressure	No data	Solubility	Complete

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SECTION IV – FIRE/EXPLOSION

Flash Point:	NA
Flash Point Method Used:	NA
LEL	NA
UEL:	NA

Extinguishing Media: Water spray, carbon dioxide, and dry chemical powder.

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None known.

SECTION V – REACTIVITY DATA

Stable: X **Unstable:**

Incompatibility: Not known.

Hazardous Decomposition or By Products: Not Known.

Hazardous Polymerization: Will not occur.

SECTION VI – HEALTH HAZARD DATA

Acute Health Affects

Routes of Entry:	Inhalation: NO	Absorption: Yes	Ingestion: Yes	Eyes: Yes
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Eyes: This product may cause eye irritation.

Skin Contact: Could cause mild skin irritation after prolonged contact.

Inhalation: Inhaling mist from this product could cause irritation to the lungs and mucus membranes.

Ingestion: Ingestion may result in abdominal pain, nausea and vomiting.

Conditions to Avoid: Strong acids or alkali compounds may inactivate biological cultures.

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Signs and Symptoms of Over Exposure: None Known

Aggravated Medical Conditions: None known, however persons with respiratory problems should avoid breathing any mist from this product.

Emergency First Aid Procedures

Eye Contact: Rinse eyes with water for fifteen minutes, if irritation persists, see a physician.

Inhalation: Move person to fresh air and avoid breathing dust from product. If breathing problems develop, seek the care of a physician.

Skin Contact: Wash the product off the skin with soap and water; if irritation develops seek the care of a physician.

Ingestion: Watch victim for any signs of illness, induce vomiting only if advised by a physician.

SECTION VII – SPILL OR LEAK PROCEDURE

Steps to be taken in case material is spilled or leaked:

Waste Disposal Method: Contain and collect material, place in proper container for reuse or disposal. Dispose of materials in accordance with all federal, state and local laws.

HANDLING AND STORAGE

Store this product in a location away from children, food items and potable water. Store in an area out of the direct sunlight, keep container closed when not in use, avoid storing in a freezing cold environment.

Always wash hands with soap and water before handling food or smoking. Use good chemical hygiene practices when working with any chemical.

Other Precautions: Prevent this product from freezing. Freezing "may" cause product crystallization

SECTION VIII – CONTROL MEASURES (PPE)

Respiratory Protection: None required for normal use.

Protective Gloves: Recommended. Disposable nitrile exam gloves are suitable for preventing prolonged contact with the skin.

Eye Protection: Safety glasses with side shields or splash goggles are recommended.

Other Protective Clothing: None required, however, avoid prolonged contact with the skin from soiled clothing.

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Ventilation: Local exhaust should be sufficient. If used in a manner that creates a mist, mechanical ventilation may be necessary.

The information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine it's environmental regulatory compliance obligations under any applicable federal, state and local laws.