



MATERIAL SAFETY DATA SHEET

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To Reorder Call:
 800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES
 24 Hour INFOTRAC (US and CANADA): **800-535-5053**

PRODUCT NAME
 UNITED 84 WWTP Freeze-Dried Bacteria with Enzyme Implant

USE/DESCRIPTION
 WWTP Freeze-Dried Bacteria with Enzyme Implant

REVISION DATE
 March 31, 2012

HMIS III HEALTH (0 = Maximum Safety) 0

Always follow Label Directions and Cautions.

* Chronic	2 Moderate
4 Severe	1 Slight
3 Serious	0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

PHYSICAL HAZARD (0 = Maximum Safety) 0

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire.	2 Violent chemical change possible-use hose stream from distance
3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers.	1 Unstable if heated-use precaution.
	0 Normally stable.

FLAMMABILITY (0 = Maximum Safety) 0

Susceptibility of Material to Burning.

4 Extremely flammable	1 Must be preheated to burn.
3 Ignites at normal temperature.	0 Will not burn.
2 Ignites when moderately heated.	

PERSONAL PROTECTION: B



2. COMPOSITION/INFORMATION ON INGREDIENTS

In accordance with Federal Regulation 29 CFR 1910.1200, all materials in this product are considered non-hazardous.

3. HAZARDS IDENTIFICATION

Eyes: May cause irritation. Organisms used are non-pathogenic but can cause infection when in contact with open wounds.

Skin: May irritate sensitive skins and /or cause redness.

Inhalation: May produce nuisance dust which may irritate respiratory passages.

Ingestion: Product is not completely soluble and could cause discomfort. Dust and lightness of material could cause choking.

4. FIRST AID MEASURES

Eyes: Flush with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

Skin: Wash with soap and water. If symptoms develop, seek medical attention.

Inhalation: Remove to fresh air. If symptoms develop, seek medical attention. If not breathing, give artificial respiration.

Ingestion: DO NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, give plenty of water to wash down material. Should not be harmful in stomach but could cause some discomfort. If upset stomach persists, call a physician or poison center.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): None

Explosive Limits: Lower (LEL): NA Upper (UEL): NA

Flame Projection (Aerosol): NA

Hazardous Products of Combustion: None known.

Fire and Explosion Hazards: None in normal use. Large dust accumulations can be explosive, similar to a grain dust explosion.

Extinguishing Media: Water spray, Fog, Dry Chemical.

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing in chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Uncontaminated spillage can be returned to the container. If wet, place in suitable container for waste disposal.

Large Spills: Uncontaminated spillage can be returned to the container. If necessary, vacuum or sweep up to avoid generating dust. If wet, place in suitable container for waste disposal. Wash spill site with water. If bacterial contamination is an issue use chlorine to kill the bacillus spores.

7. HANDLING AND STORAGE

Store in a dry area between 41°F/5°C and 104°F/40°C in properly labeled and tightly closed container. Always wash thoroughly after handling chemicals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses are recommended.

Skin: Gloves are recommended.

Respiratory: Not normally required. Wear dust respirator to avoid inhaling nuisance dust.

Engineering Controls: Mechanical ventilation recommended when handling in enclosed/tight spaces.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: NA

Specific Gravity: 0.99 (2% solution)

Vapor Pressure: NA

Melting Point: NA

Vapor Density: NA

Evaporation Rate: NA

Solubility in Water: Mixes with water

pH: Neutral 6 – 7 in water dispersion

Appearance and Odor: Tan dry material with pleasant scent, packaged in water-soluble packets.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: Oxides of carbon.

Chemical Stability: Stable

Incompatibility: Strong acids, strong alkalies, oxidizers such as bleach, may inactivate the bacterial cultures.

11. TOXICOLOGICAL INFORMATION

Low Acute oral toxicity although ingestion will cause irritation of the gastrointestinal tract and may result in nausea and diarrhea. May cause mild mechanical irritation to eyes, skin and mucous membranes. May cause irritation from allergic reaction, especially to people that have a history of allergic reaction.

Carcinogenicity (NTP/IARC/OSHA): None

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

12. ECOLOGICAL INFORMATION

Environmental Effects: Minimal impact under normal conditions of use and storage. The bacterial cultures are naturally occurring soil type organisms. The carriers are naturally occurring materials.

Mobility: disperses in water **Degradability:** contents are biodegradable

Bioaccumulative Potential & Aquatic Toxicity: Not Known

13. DISPOSAL CONSIDERATIONS

This product is biodegradable and is designed for use in waste water systems; may be disposed of by gradual addition to the sanitary drains. Consult your local, state, provincial and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

14. TRANSPORT INFORMATION

DOT: For ground shipping within the USA: Non-hazardous – Bacteria, Sewage or Industrial Waste Treating, Dry, or Liquid, With or Without Enzymes.

TDG: Available upon request

UN: Available upon request

15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): None

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: None

SARA Title III Section 311/312: ND

SARA Title III Section 313 Toxic Chemicals: None

WHMIS Classification:

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/WHMIS) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.