MATERIAL SAFETY DATA SHEET **Trade Name: PitCharger Enzyme Complex**

PitCharger

9950 N 225th St.

Elkhorn, NE 68022

Phone: 888-231-1002

Emergency Telephone Numbers:

Emergency contact: Contact PitCharger at 888-231-1002 during business hours.

Alternate emergency phone – 402-289-0151

Section I: Material Identification and Information

Product Name: PitCharger Enzyme Complex

Formula: A blend of several classes of enzymes in formulation designed for organic waste treatment.

Section II: Dept. of Transportation Information (HM-181)

Proper Shipping Name: PitCharger Enzyme Complex

Number: Not regulated by DOT

Section III: Hazardous Ingredients

Materials or Components	CAS NO.	% Hazard Data
Enzymes	0	90-98 PEL *N/A*
		TLV-TWA *N/A*
Other Ingredients		
FE (iron)	7782-63-0	.012% as Ferrous Sulphate
Zn (zinc)	7646-85-7	0.06% as Zinc Chloride

Notes: All constituent organic enzymatic protein catalysts are not considered hazardous referenced by the Federal Hazard Communication Standard (29 CFR 1910.1200)

* OSHA PEL

** ACGIH, 1986-1989, TW A for 8 hour workday, 40 hour work week

*** CEL or maximum exposure concentration not to be exceeded under any circumstances

HAZARD RATINGS: (ratings: 0 = Least 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

HEALTH: 1 (due to pH)

Fire & Explosion: 0

Reactivity: 0

Section IV: Physical / Chemical Characteristics

The precise composition of IF-2000 is a proprietary blend of organic enzymatic proteins. A more complete disclosure will be made to a physician or other emergency medical personnel in the event of a medical emergency. There are no hazardous components in IF-2000.

Boiling Point:	212F	Specific Gravity:	
Vapor Density:	*N/A*	Melting point	*N/A*
Vapor Pressure:	*N/A*	Evaporation Rate:	*N/A*
Solubility in Water:	Infinite	pH:	2 (acidic)
Appearance and Odor:	Light amber		

Section V: Fire and Explosion Hazard Date

Flash Point:	*N/A*
Auto Ignition Temperature:	*N/A*
Flammability Limits:	*N/A*
LEL:	*N/A*
UEL:	*N/A*
Extinguisher Media:	*N/A*
Special Firefighting Procedures:	*N/A*
Unusual Fire and Explosion Hazards:	*N/A*

Section VI: Reactivity Hazard Data

Stability:	Stable
Conditions to Avoid:	Avoid exposure to oxidizing agents
Incompatibility materials to avoid:	None
Hazardous decomposition:	Will not occur
Hazardous polymerization:	Will not occur
Conditions to avoid:	None

Section VII: Health Hazard Data

Primary Routes of Entry: Inhalation - N/A Ingestion – Yes Skin (dermal) Absorption – Yes Not Hazardous – Yes

Carcinogen listed in: NOT LISTED

Health Hazards:

- Acute- PitCharger Enzyme Complex may be irritating to eyes on contact
- Chronic- No known chronic hazards
- Signs and symptoms of exposure - None. Ingestion may cause diarrhea, dermal contact may cause redness of skin. PitCharger Enzyme Complex may be an eye irritant in concentrated form.
- Medical conditions aggravated by exposure - None

EMERGENCY FIRST AID PROCEDURES: Seek medical assistance for further treatment, observation and support if necessary.

- Eye contact – Immediately flush with large amounts of water for at least 15 minutes.
- Skin contact – Wash with soap and water to dilute PitCharger Enzyme Complex
- Inhalation – Wear dust mask type respirator to prevent splash inhalation.
- Ingestion – Drink a glass of water or milk, ingestion may cause diarrhea.

Section VIII: Control and Protective Measures

Respiratory protection:	None
Gloves:	Rubber-type gloves
Eye Protection:	Wear Safety glasses
Ventilation to be used:	*N/A*
Other Protective clothing & equipment:	Regular work clothes
Hygienic work practices:	Wash hands thoroughly before eating, routine washing of clothes

Section IX: Precautions of Safe Handling and Use / Leak Procedures

Steps to be taken if material is spilled or released: Flush with water into sewer system or drain, dilute with water.

Waste disposal methods: Flush with water to dilute PitCharger.

Precautions to be taken in handling and storage: Protect containers against physical damage. Store in cool dry place in closed containers.

Other precautions and /or special hazards: Avoid exposure to temperature. Catalytic enzymatic activity may be lost if temperatures exceed 130 **°** or if pH exposure is above 10.0+.