MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: ODOR ELIMINATOR ENZYME

PRODUCT NUMBER: N.A.

PRODUCT USE: Enzymatic odor eliminator

COMPANY:
CASTEX INDUSTRIES, INC.
12875 RANSOM
HOLLAND   MI 49424

EMERGENCY PHONE: 800-843-6174
                 800-535-5053
(Medical: Call Local Poison Control Center)

PRODUCT I.D. NUMBER (PIN): N.A.
WHMIS CLASS: D2B
DOT HAZARD CLASS:
Non-Hazardous

DOT SHIPPING NAME:
N.A.

H.M.I.S.

		HAZARD RATING
1	HEALTH	
0	FIRE	4 = Extreme 3 = High
0	REACTIVITY	2 = Moderate 1 = Slight 0 = Insignificant
B	MAXIMUM PERSONAL PROTECTION	

A = Goggles, B = Goggles & Gloves, C = Goggles, Gloves & Apron

ABBREVIATION KEY: N.A. = Not Applicable, N.E. = Not Established, N.D. = Not Determined

SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

HAZARDOUS CHEMICAL IDENTITY	CAS NO.	%	PEL	TLV	LD50	LC50
Water	7732-18-5	60-100	N.E.	N.E.	N.D.	N.D.
Bacterial spores	N.A.	5-10	N.E.	N.E.	N.D.	N.D.
Nonionic surfactant	N.A.	1-5	N.E.	N.E.	N.D.	N.D.
Opacifier	N.A.	0.1-1	N.E.	N.E.	5000mg/kg	24000ppm 4hr

This mixture does not contain components which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

SECTION 3 - PHYSICAL DATA

Color and Odor: White - Herbal/Spice
Physical State: Liquid
Odor Threshold: N.E.

Boiling Point: 212°F 100°C
Freezing Point: 32°F 0°C
Water/Oil Distribution: N.E.

Vapor Pressure (mm HG): <30
Vapor Density (Air=1): <1
Evaporation Rate (Water=1): N.E.

pH: 7.6 - 8.2 (1% pH 7.3)
Specific Gravity: 1.00
Solubility in Water: Complete

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N.A.
Flammable Limits: N.A.
Hazardous Combustion Products: N.A.

Autoignition Temperature: N.A.
LEL: N.A.   UEL: N.A.

Extinguishing Media: Use media proper to the primary cause of fire.
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

SECTION 5 - REACTIVITY DATA

Chemical Stability: Yes _X_ No ___
Incompatibility (Materials to Avoid): None known

Hazardous Decomposition of By-Products: None known
Hazardous Polymerization: May Occur ___ Will Not Occur _X_

SECTION 6 - TOXICOLOGICAL PROPERTIES

Routes of Entry: Ingestion
Sensitization: Yes ___ No _X_

Toxicologically Synergistic Products: None known
Medical Conditions Aggravated by Exposure: None known

Carcinogenicity: None

Teratogenicity: None

Mutagenicity: None

Reproductive Toxicity: None

EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):

Eyes: Direct contact may cause irritation.
Skin: Prolonged or repeated contact may cause irritation.
Ingestion: May cause gastrointestinal irritation, nausea, diarrhea.

SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: None normally required with adequate room ventilation.
Protective Gloves: Rubber if needed to protect sensitive skin.
Protective Clothing and Equipment: As needed to prevent wetting of clothing.
Storage Requirements: Store in cool, dry area. Follow good housekeeping practices.

Ventilation: Local Exhaust: N.A._____ Mechanical: N.A._____
Eye Protection: As required to prevent splashing into eyes.
Work and Hygienic Practices: Wash thoroughly after use.
Other Requirements: Keep out of the reach of children.

Steps To Be Taken If Material Is Spilled Or Released: Collect and reuse if possible. Flush to sewer with large quantities of water if permitted by regulatory authorities or absorb on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow runoff into public waterways.
Waste Disposal: Dispose of as permitted by all federal, provincial, state and local regulatory authorities.

SECTION 8 - EMERGENCY FIRST AID PROCEDURES

FIRST AID - NOTES TO PHYSICIAN:

Eyes: Flush with a large amount of water for 15 minutes holding eyelids open.
Skin: Wash with mild soap and water.
Ingestion: Give 2-3 large glasses of water. Seek medical attention.

SECTION 9 - PREPARATION INFORMATION

Prepared By: Regulatory Affairs Department

Phone: 616-786-2330

Date of Preparation: January, 1998