

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: ODOR ELIMINATOR ENZYME

PRODUCT I.D. NUMBER (PIN): N.A.

PRODUCT NUMBER: N.A.

WHMIS CLASS: D2B

PRODUCT USE: Enzymatic odor eliminator

DOT HAZARD CLASS:

Non-Hazardous

### H.M.I.S.

COMPANY:

CASTEX INDUSTRIES, INC.

12875 RANSOM

HOLLAND MI 49424

DOT SHIPPING NAME:

N.A.

EMERGENCY PHONE: 800-843-6174

800-535-5053

(Medical: Call Local Poison Control Center)

|   |                             | HAZARD RATING  |
|---|-----------------------------|--|
| 1 | HEALTH                      | 4 = Extreme<br>3 = High<br>2 = Moderate<br>1 = Slight<br>0 = Insignificant |
| 0 | FIRE                        |  |
| 0 | REACTIVITY                  |  |
| 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 | Boiling Point: 212°F 100°C   | Vapor Pressure (mm HG): <30      | pH: 7.6 - 8.2 (1% pH 7.3)     |
| Physical State: Liquid               | Freezing Point: 32°F 0°C     | Vapor Density (Air=1): <1        | Specific Gravity: 1.00        |
| Odor Threshold: N.E.                 | Water/Oil Distribution: N.E. | Evaporation Rate (Water=1): N.E. | Solubility in Water: Complete |

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

|                                     |                                |   |
|-------------------------------------|--------------------------------|---|
| Flash Point and Method: N.A.        | Autoignition Temperature: N.A. | Extinguishing Media: Use media proper to the primary cause of fire. |
| Flammable Limits: N.A.              | LEL: N.A. UEL: N.A.            | Special Fire Fighting Procedures: None                              |
| Hazardous Combustion Products: N.A. |                                | Unusual Fire and Explosion Hazards: None                            |

## SECTION 5 - REACTIVITY DATA

|   |   |
|---|---|
| Chemical Stability: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Hazardous Decomposition of By-Products: None known  |
| Incompatibility (Materials to Avoid): None known  | Hazardous Polymerization: May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/> |

## SECTION 6 - TOXICOLOGICAL PROPERTIES

|  |   |                    |                             |
|--|---|--------------------|-----------------------------|
| Routes of Entry: Ingestion   | Toxicologically Synergistic Products: None known      |                    |                             |
| Sensitization: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | 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.     | Ventilation: Local Exhaust: <u>N.A.</u> Mechanical: <u>N.A.</u> |
| Protective Gloves: Rubber if needed to protect sensitive skin.                     | Eye Protection: As required to prevent splashing into eyes.     |
| Protective Clothing and Equipment: As needed to prevent wetting of clothing.       | Work and Hygienic Practices: Wash thoroughly after use.         |
| Storage Requirements: Store in cool, dry area. Follow good housekeeping practices. | 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