

# ***ENVIROZYM EP***

## **WE ARE PLEASED TO INTRODUCE A NEW GENERATION OF OUR ENVIROZYM EP SERIES**

Designed to out-perform all competitive bio-formulations hands down!

### **SUPER PERFORMANCE**

At last a bio-enzymatic formulation capable of resolving a wide range of sanitary maintenance requirements in a single product.

- \*Bathroom odor control and maintenance cleaning.
- \*Carpet and fabric stain and odor control.
- \*Laundry pre-spot and pre-soak applications.
- \*Drain trap treatment.
- \*Grease trap applications.
- \*Municipal collection systems.
- \*Septic tank care.

### **NO OTHER BIO-FORMULATION OFFERS**

Unsurpassed bio-capabilities as a broad-spectrum waste degrader achieved through the scientific development of a synergized three-strain blend of selected Bacillus microorganism. This unique bio-blend provides the ultimate in enzymatic product for the breakdown of starches, carbohydrates, fats, oils, greases and vegetable gums. In addition, ENVIROZYM EP is the safest bio-formulation available.

### **ENHANCES ENZYME ACTIVITY**

ENVIROZYM EP's unique bio-formulation incorporates a new growth technique for bacillus microorganisms which produces mass quantities of stabilized natural enzymes. ENVIROZYM EP produces optimum enzymatic hydrolyzation of organics. In simple terms, this achievement provides vastly improved bio-enzymatic performance for the breakdown, stabilization, and removal of organic wastes.

Instant odor control: In combination with bio-capabilities, both long term and immediate odor control are achieved in a single blend.

# TECHNICAL DATA SHEET

## ENVIROSAFE CHEMICALS CANADA MATERIAL SAFETY DATA SHEET

### SECTION 1-PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: Envirozym EP      PRODUCT IDENTIFICATION      NUMBER (PIN) – EP120  
PRODUCT USE: Biotechnology (bacterial cultures, natural cleaning product (biodegradable))  
MANUFACTURER'S NAME: EnviroSAFE Chemicals Canada  
ADDRESS: PO Box 1792 - 10011 Thatcher Avenue  
CITY: North Battleford    PROVINCE: SK      POSTAL CODE: S9A 3W8    TEL: 306-446-0505

### SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC OF INGREDIENT (SPECIFY SPECIES)	TLV(ACGIH)
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This product contains naturally occurring non-pathogenic, non-corrosive, non-toxic, and non-Genetically engineered viable bacterial culture on a wheat bran carrier.

Viable bacterial cultures	85%	7732-18-5	Not listed (Largely water)	not listed	not listed
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### SECTION 3-PHYSICAL DATA

PHYSICAL STATE: Liquid    ODOUR AND APPEARANCE: Liquid    ODOUR THRESHOLD (PPM): N/A  
White, sweet odour.

VAPOUR PRESSURE: (at 20°C)  
(mm Hg)      VAPOUR DENSITY:  
(AIR=1)(MMHG at 20°C): equivalent to water      EVAPORATION RATE: Not available

BOILING POINT (°C)°F 100°C      FREEZING POINT (°C): Not available      pH: 7.5 – 8.5

SPECIFIC GRAVITY: Approximately 1.0      COEFF. WATER/OIL DIST.: Not available

### SECTION 4-FIRE AND EXPLOSION DATA

FLAMMABILITY: Non-Flammable  
MEANS OF EXTINCTION: Foam, CO2

IF YES UNDER WHICH CONDITION?  
FLASHPOINT (°C) AND METHOD:°F No Data

UPPER FLAMMABLE LIMIT (% BY VOLUME):  
Not available

LOWER FLAMMABLE LIMIT (% BY VOLUME):  
No Data

AUTO-IGNITION TEMPERATURE (°C): No

HAZARDOUS COMBUSTION PRODUCTS: None Known

EXPLOSION DATA SENSITIVITY TO IMPACT: None

SENSITIVITY TO STATIC DISCHARGE: None

### SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: Yes under normal conditions

IF NO? UNDER WHICH CONDITION?

INCOMPATIBILITY WITH OTHER SUBSTANCES: Strong acids or alkali compounds may inactivate biological Cultures.

REACTIVITY, AND UNDER WHAT CONDITIONS: None Known

HAZARDOUS DECOMPOSITION PRODUCTS: None Known

Hazardous Polymerization: Will not occur

# TECHNICAL DATA SHEET

## ENVIROSAFE CHEMICALS CANADA

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PRODUCT IDENTIFICATION: Envirozym EP

### SECTION 6-TOXICOLOGICAL PROPERTIES

#### ROUTE OF ENTRY:

SKIN: SKIN ABSORPTION: EYE CONTACT: INHALATION: INGESTION:  
EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Cellulase enzymes may cause moderate throat, respiratory passage and eye irritation.  
EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Not available  
EXPOSURE LIMITS: Not Listed IRRITANCY OF PRODUCT: Moderate

SENSITIZATION OF PRODUCT: Repeated or prolonged contact may cause respiratory sensitisation.

CARCINOGENICITY: This material is not considered to be a carcinogen by the National toxicology program. The International Agency for research on cancer.

TERATOGENICITY: Not Available

REPRODUCTIVE TOXICITY: Not Available

MUTAGENICITY: Not Available

SYNERGISTIC PRODUCTS: Not Available

### SECTION 7-PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: None

GLOVES: Latex rubber gloves RESPIRATOR: None required. Recommended EYE: Chemical  
Dust mask in confined areas Goggles or face shield  
FOOTWEAR: Rubber Boots CLOTHING: None required OTHER: Eye Bath

ENGINEERING CONTROL (SPECIFY, EG. VENTILATION ENCLOSED PROCESS): Normal room ventilation

LEAK AND SPILL PRODUCE: Mop up spills where possible, flush down drain to waste treatment sewer

WASTE DISPOSAL: May be added directly to waste treatment system or flushed down sewer.

HANDLING PROCEDURES AND EQUIPMENT: Prevent skin and eye contact, wash hands thoroughly with Soap and water after use. Avoid contact with eyes.

STORAGE REQUIREMENTS: Avoid prolonged exposure to high and low temperatures and humidity. Avoid Temperatures above 110°F and keep from freezing.

SPECIAL SHIPPING INFORMATION: Not regulated by TDG classification

### SECTION 8-FIRST AID MEASURES

EYE: Flush thoroughly with water for 15 minutes. Have eyes examined and treated by medical personnel.

SKIN: Wash affected area thoroughly with soap and water. Wash clothing and footwear before re-use.

INHALATION: Move subject to fresh air. If irritation persists call a physician.

INGESTION: Drink large amounts of water or mild to dilute. Induced vomiting only if advised by physician or poison control centre. Contact physician if intestinal upset persists.

### SECTION 9-PREPARATION DATE OF MSDS

PREPARED BY: ENVIROSAFE TECHNICAL DEPT. PHONE NUMBER: 306-446-0505

WHILE THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE LISTED, ENVIROSAFE CHEMICALS CANADA MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE HEREON.

PREPARED BY ENVIROSAFE TECHNICAL DEPT PHONE NUMBER: 306-446-0505 DATE October 04, 2007

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