

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Envirozyme 2.0 ENV - 2007

Recommended use: Municipal waste treatment additive – Lagoon Systems

Manufacturer: EnviroWay Detergent Manufacturing Incorporated

2241 Hanselman Ave.

Saskatoon, SK S7L 6A7, Canada

Tel: 306-244-7727

Fax: 306-244-7772

Toll free: 1-888-274-0862, www.enviroway.ca

Emergency phone:

Leak and Spill: 1-800-667-7525 (SASK SPILLS) for the Province of Saskatchewan

1-866-845-6037 (Environment Canada) for anywhere else

In Transit: 1-613-996-6666 or *666 on cellular phone (CANUTEC)

Poison Control: 1-866-454-1212 (Saskatchewan)

SECTION 2: HAZARD IDENTIFICATION

Hazard classification

None

Signal word

None

Hazard statements

None

Precautionary statements

None

SECTION 3: COMPOSITION

Hazardous materials

Ingredient	CAS #	% by weight
Humic Acid	1415-93-6	1-3

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes in running water for at least 15 minutes. Get medical attention if irritation persists.

Inhalation: Remove to fresh air. Seek medical attention if symptoms occur.

Skin Contact: Wash thoroughly with soap and water. If irritation persists, get medical attention.

Ingestion: Call a POISON CENTRE/doctor if you feel unwell.

SECTION 5: FIRE FIGHTING MEASURES

Flammable: No

Means of Extinction: Water spray, carbon dioxide, or dry chemical

Flashpoint: Information not available

Special Fire Fighting Procedures: Exercise caution when fighting any chemical fire. Firefighters' protective clothing will only provide limited protection. Wear chemical protective clothing, including respiratory protection. Move containers from the area on fire if it can be done without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Collect spillage. Use a water rinse for final cleanup.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment Do not ingest. Avoid contact with skin and eyes.

Storage Requirements: Store in a dry, cool, well-ventilated area between 5°C to 40°C and away from direct sunlight. Store away from incompatible materials such as strong acids. Avoid food contamination.

****KEEP OUT OF REACH OF CHILDREN****

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Bacterial Cultures/Enzymes	Not available	Not available	Not available
Humic acid	Not available	Not available	Not available

Gloves: Under normal use, none required but recommended. Wash hands after use.

Respirator: Not required with routine usage.

Eye: Wear eye protection.

Footwear: No special footwear is required.

Clothing: None required with normal household use. If prolonged or repeated contact is possible, wear suitable gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Straw coloured powder in clear pouch

Odour: Earthy

Odour Threshold (ppm): Information not available

pH: 6.8-8.5

Freezing Point: Information not available

Initial Boiling Point/Range: Information not available

Flash point: Information not available

Evaporation Rate: Information not available

Flammability: Information not available

Upper/lower flammability/explosive limit: Information not available

Vapour Pressure (mmHg): Information not available

Vapour Density (air = 1): Weighted average: 1

Relative density: 0.5-0.61 g/cm³

Solubility in Water: Minimal (disperses in water)
Partition coefficient: Information not available
Auto-ignition temperature: Information not available
Decomposition temperature: Information not available
Viscosity: Not applicable

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable
Hazardous Polymerization: Will not occur.
Materials to Avoid: Moisture, heat, exposure to harsh chemical substances such as acids or alkalis
Hazardous Decomposition Products: May produce oxides of carbon and nitrogen

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Bacterial Cultures/Enzymes	Not established*	Not established*	Not established*
Humic Acid	Not available	Not available	Not available

* Product formulation consists of a range of naturally occurring microorganisms which are known to be non-pathogenic to humans, livestock, and agricultural crops.

EFFECTS OF ACUTE EXPOSURE:

Skin Contact: May cause slight irritation. Prolonged or repeated contact may cause drying or irritation of the skin.
Eye Contact: May cause mild irritation.
Inhalation: May cause asthmatic type response in sensitive individuals.
Ingestion: May cause nausea, vomiting, and gastrointestinal irritation and diarrhoea. May be harmful if swallowed.

Germ cell mutagenicity: Not available

Carcinogenicity: None of the ingredients are on IARC or ACGIH lists as carcinogens

Reproductive toxicity: Not available

STOT single exposure: Not available

STOT repeated exposure: Not available

Aspiration hazard: Not available

Routes of exposure: Ingestion, inhalation, skin/eye exposure

EFFECTS OF CHRONIC EXPOSURE:

Skin Contact: Not known.

Eye Contact: Not known.

Ingestion: Not known

Numerical measure of toxicity:

Oral: Not available

Dermal: Not available
 Inhalation: Not available

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Ingredient toxicity values with regards to the environment:

Ingredient	Fish	Crustaceans	Algae
Bacterial Cultures/Enzymes	Not Established*	Not Established*	Not Established*
Humic acid	Not available	Not available	Not available

* Product is considered non-toxic to aquatic organisms

Persistence and Degradability: Biodegradable.

Bioaccumulation/Accumulation: Not likely.

Mobility: No information available.

Other adverse effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose of in accordance with local regulations at government approved waste sites.

SECTION 14: TRANSPORT INFORMATION

Special Shipping Information: None

TDG (Canada)

TDG Proper Shipping Name: Not Regulated

Hazard Class: Not Applicable.

UN Number: Not Applicable.

Packing Group: Not Applicable.

Note: No additional remark.

Marine Pollutant: None

DOT (US):

DOT Shipping Name: Not Regulated.

DOT Hazardous Class: Not Applicable.

DOT UN Number: Not Applicable.

DOT Packing Group: Not Applicable.

DOT Reportable Quantity (lbs): Not Available.

Note: No additional remark.

Marine Pollutant: None

SECTION 15: REGULATORY INFORMATION

Canadian DSL Inventory Status: All ingredients are specified on the Domestic Substances List or exempt

SECTION 16: OTHER INFORMATION

Disclaimer – Notice to Reader

EnviroWay Detergent Manufacturing Incorporated, expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, EnviroWay makes no representations as to its accuracy or sufficiency. Conditions of use are beyond EnviroWay's control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.