

# Safety Data Sheet

## Envirozyme

### SECTION 1. IDENTIFICATION

**Product Identifier** Envirozyme  
**Product Family** Enzyme Cleaner  
**Manufacturer** Freedom Environmental Products Corp., P.O. Box 623  
48 Washington St.  
, Norwich, Ontario, N0J 1P0, Canada, (519) 621-4417  
**Emergency Phone No.** CANUTEC , 613-996-6666, 24 Hours  
**SDS No.** 00350017  
**Date of Preparation** April 26, 2018

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Eye irritation - Category 2B

#### Label Elements

##### Warning

Causes eye irritation.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Propylene glycol	57-55-6	1-5		
Ethoxylated Alcohol, linear (non-ionic surfactant)	68439-46-3	1-5		

#### Notes

The actual concentration is withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

##### Skin Contact

Rinse skin with cool water. If skin irritation or a rash occurs, get medical advice or attention.

##### Eye Contact

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Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

#### **Ingestion**

Do not induce vomiting. Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

#### **First-aid Comments**

If exposed or concerned, get medical advice or attention.

### **Most Important Symptoms and Effects, Acute and Delayed**

Symptoms may develop hours after exposure.

## **SECTION 5. FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Not combustible. Use extinguishing agent suitable for surrounding fire.

### **Specific Hazards Arising from the Product**

Not known to generate any hazardous decomposition products in a fire.

### **Special Protective Equipment and Precautions for Fire-fighters**

Firefighters should wear self-contained breathing apparatus.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### **Environmental Precautions**

It is good practice to prevent releases into the environment.

### **Methods and Materials for Containment and Cleaning Up**

Dike spilled product to prevent runoff. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

General hygiene considerations: do not get in eyes, on skin or on clothing. Avoid contamination by any source including dusts, metals and organic materials.

### **Conditions for Safe Storage**

Store in a closed container. Separate from incompatible materials (see Section 10: Stability and Reactivity). Comply with all applicable health and safety regulations, fire and building codes.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control Parameters**

Chemical Name	ACGIH® TLV®		OSHA PEL		AIHA® WEEL®	
	TWA	STEL [C]	TWA	Ceiling	8-hr TWA	Short-term TWA [C]
Propylene glycol	Not established		Not established		10 mg/m3	

### **Appropriate Engineering Controls**

General ventilation is usually adequate. Provide eyewash in work area, if contact or splash hazard exists.

### **Individual Protection Measures**

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**Eye/Face Protection**

Wear safety glasses with side shields.

**Skin Protection**

Wear chemical protective clothing e.g. gloves, aprons, boots.

**Respiratory Protection**

Not normally required if product is used as directed.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Basic Physical and Chemical Properties**

<b>Appearance</b>	Milky white liquid.
<b>Odour</b>	Not available
<b>pH</b>	Not available
<b>Flash Point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Relative Density (water = 1)</b>	Not available
<b>Solubility</b>	Soluble in all proportions in water

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity**

Strong Acids or bases may inactivate bacterial mixture.

**Chemical Stability**

Normally stable.

**Conditions to Avoid**

Prolonged exposure to high temperatures. Contamination.

**Incompatible Materials**

Strong oxidizing agents (e.g. perchloric acid), strong acids (e.g. hydrochloric acid).

**Hazardous Decomposition Products**

None known.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Propylene glycol		21800 mg/kg (rat)	20800 mg/kg (rabbit)
Ethoxylated Alcohol, linear (non-ionic surfactant)	5 mg/L (rat) (4-hour exposure)	> 2000 mg/kg (rat)	> 2000 mg/kg (rabbit)

**Skin Corrosion/Irritation**

May cause irritation.

**Serious Eye Damage/Irritation**

May cause irritation.

**STOT (Specific Target Organ Toxicity) - Single Exposure****Inhalation**

Nose and throat irritation.

**Skin Absorption**

May be harmful.

**Ingestion**

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May cause Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

### Respiratory and/or Skin Sensitization

Not a skin sensitizer. Not a respiratory sensitizer.

### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Propylene glycol	Not Listed	Not designated	Not Listed	Not Listed
Ethoxylated Alcohol, linear (non-ionic surfactant)	Not Listed	Not designated	Not Listed	Not Listed

### Reproductive Toxicity

#### Development of Offspring

No information was located.

#### Sexual Function and Fertility

No information was located.

### Germ Cell Mutagenicity

Not known to be a mutagen.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Propylene glycol	> 5000 mg/L (Carassius auratus (Goldfish); 24 hr; static)	19100 mg/L (Skeletonema costatum (diatom); 96-hour)		
Ethoxylated Alcohol, linear (non-ionic surfactant)	5-10 mg/L (96-hour)	5-10 mg/L (Daphnia magna (water flea); 48-hour)		10-100 mg/L (72-hour)

### Persistence and Degradability

Readily biodegradable.

### Bioaccumulative Potential

This product and its degradation products are not known to bioaccumulate.

### Mobility in Soil

If released into the environment, this product is expected to move rapidly through the soil, based on physical and chemical properties.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

### Transport in Bulk according to International Maritime Organization Instruments

Not applicable

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## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

##### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

#### USA

##### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

**NFPA Rating**                      **Health - 2**    **Flammability - 0**    **Instability - 0**

**SDS Prepared By**                Technical Department

**Phone No.**                        519.537.1095

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**Revision Indicators**        The following SDS content was changed on August 12, 2019:  
SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS; Notes Added

**Disclaimer**                        Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8466) or CSST in Montreal, Quebec (514-873-3990).

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