

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**Product name:** EnviroFrost (#1450)

**Recommended use:** Heat transfer fluid for closed-loop 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](http://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

### CONCENTRATE HAZARDS:

**Hazard classification**

None

**Signal word**

None

**Hazard statements**

None

**Precautionary statements**

None

## SECTION 3: COMPOSITION

Ingredient	CAS #	% by weight
Propylene Glycol	57-55-6	90-100

Ingredients not shown are either not hazardous or present below cut-off values. Ranges shown are due to batch-to-batch variation.

## SECTION 4: FIRST AID MEASURES

**IF SWALLOWED:** Rinse mouth. Call a POISON CENTRE/doctor if you feel unwell.

**IF ON SKIN:** Wash with plenty of water. If skin irritation occurs seek medical advice/attention.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists seek medical advice/attention.

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.

## SECTION 5: FIRE FIGHTING MEASURES

**Flammable:** Not flammable

**Means of Extinction:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Flashpoint:** Not available

**Special Fire Fighting Procedures:** Use water spray to keep containers cool. Fire fighters should wear self-contained breathing apparatus and full protective clothing.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedures:** Sweep up spillage. Use a water rinse for final cleanup.

## SECTION 7: HANDLING AND STORAGE

**Handling Procedures and Equipment:** Use good industrial hygiene. Do not ingest. Avoid contact with skin and eyes.

**Storage Requirements:** Store in dry area. Product is hygroscopic, which may cake and become wet from atmospheric moisture.

## SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Propylene Glycol	Not available	Not available	Not available

**Gloves:** It is good practice to wear chemical resistant gloves while handling this product.

**Respirator:** A respirator is not normally required if adequate ventilation is provided. Use NIOSH/MSHA approved equipment when exposure limits are exceeded.

**Eye:** It is good practice to wear chemical safety glasses while handling this product.

**Other (Specify):** An eyewash station and shower should be available nearby.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Colourless liquid (oily)

**Odour:** Odourless

**Odour Threshold (ppm):** Information not available

**pH:** Information not available

**Freezing Point:** < -20°C

**Initial Boiling Point/Range:** 188°C

**Flash point:** 99°C

**Evaporation Rate:** ~0.01

**Flammability:** Not flammable

**Upper/lower flammability/explosive limit:** Information not available

**Vapour Pressure (mmHg):** Information not available

**Vapour Density (air = 1):** Information not available  
**Relative density:** ~1.03  
**Solubility in Water:** Soluble  
**Partition coefficient:** Information not available  
**Auto-ignition temperature:** Information not available  
**Decomposition temperature:** Information not available  
**Viscosity:** Information not available

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable  
**Hazardous Polymerization:** Will not occur.  
**Materials to Avoid:** Oxidizing agents, reducing agents and alkalis.  
**Hazardous Decomposition Products:** Aldehydes, alcohols, ethers, and organic acids.

## SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Propylene Glycol	20000	20800	Not available

### EFFECTS OF ACUTE EXPOSURE:

**Ingestion:** May cause nausea, vomiting, and gastrointestinal irritation and diarrhoea.  
**Skin Contact:** May cause mild skin irritation. Prolonged contact may cause flaking and softening of the skin softening.  
**Eye Contact:** May cause eye irritation.  
**Inhalation:** Formation of mist may cause irritation to the respiratory tract.

**Germ cell mutagenicity:** Not applicable  
**Carcinogenicity:** Not applicable  
**Reproductive toxicity:** Not applicable  
**STOT single exposure:** Not applicable  
**STOT repeated exposure:** Not applicable  
**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 measures of toxicity:

**Oral:** LD50 20,000 mg/kg  
**Dermal:** LD50 20,800 mg/kg  
**Inhalation:** Not available

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Propylene Glycol	LC <sub>50</sub> (96h): 44,000-51,600 mg/L (Rainbow Trout)	EC <sub>50</sub> (48h): 10,000 mg/L (Daphnia magna)	EC <sub>50</sub> (96h): 18,100mg/L

**Persistence and Degradability:** Biodegradation is expected.

**Bioaccumulation/Accumulation:** No information available.

**Mobility:** No information available.

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## 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

**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

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