

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Melt Down ENV-1429

Recommended use: Snow and ice melter

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.envioway.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

Acute toxicity (oral)	Category 4
Acute toxicity (dermal)	Category 5
Serious eye damage/irritation	Category 2

Signal word Warning



Hazard statements

Harmful if swallowed.
May be harmful in contact with skin.
Causes serious eye irritation.

Precautionary statements

Prevention	Wash thoroughly after handling. Wear protective gloves, eye and face protection. Do not eat, drink or smoke when using this product.
Response	IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. Rinse mouth.

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: Get medical advice/attention.

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

SECTION 3: COMPOSITION

The following ingredients have hazardous properties:

Ingredient	CAS #	% by weight
Calcium chloride	10043-52-4	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: Get 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: No

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
Calcium chloride	Not available	15 mg/m ³ (Total) TWA	Not available

Gloves: Use general chemical resistant rubber gloves when needed.

Respirator: A respirator is not normally required if adequate ventilation is provided. Use NIOSH/MSHA approved equipment (full face-pipe recommended) under dusty conditions.

Eye: Chemical safety goggles in very dusty conditions. Do NOT wear contact lenses under dusty conditions.

Other (Specify): An eye wash station and shower should be available nearby.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: off-white to green-blue pellets

Odour: odourless

Odour Threshold (ppm): Information not available

pH: 8-9 (as aqueous solution)

Freezing Point: <772°C

Initial Boiling Point/Range: >815°C

Flash point: Information not available

Evaporation Rate: Information not available

Flammability: Combustible liquid

Upper/lower flammability/explosive limit: Information not available

Vapour Pressure (mmHg): Information not available

Vapour Density (air = 1): Information not available

Relative density: Information not available

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: Furan-2-peroxycarboxylic acid, bromide trifluoride, sulphuric acid, water, zinc, sodium

Hazardous Decomposition Products: Formed under fire conditions: hydrogen chloride gas, calcium oxide

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Calcium chloride	1021	2687	Not available

EFFECTS OF ACUTE EXPOSURE:

Ingestion: May cause nausea, vomiting, and gastrointestinal irritation and diarrhoea. May be harmful if swallowed.

Skin Contact: Brief contact is essentially nonirritating to skin. Prolonged contact may cause skin irritation, even a burn. Not classified as corrosive to the skin according to DOT guidelines. May cause

more severe response if skin is damp, abraded (scratched or cut), or covered by clothing, gloves, or footwear.

Eye Contact: For solid: May cause slight eye irritation, mechanical injury only. Dust formation should be avoided, as dust can cause severe eye irritation with corneal injury.

Inhalation: Dust may cause irritation to upper respiratory tract (nose and throat).

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 1074 mg/kg

Dermal: LD50 2828 mg/kg

Inhalation: Not available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Calcium chloride	LC ₅₀ (96h): 8350 mg/L	EC ₅₀ (48h): 759 mg/L	Not available

Persistence and Degradability: Inorganic, not applicable

Bioaccumulation/Accumulation: Not expected to bioaccumulate since it readily disassociates.

Mobility: No information available.

Other adverse effects: No information available.

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

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.