

# Safety Data Sheet

## Section 1: Product identification and use

**Product Identifier:**

**Process Identifier:**

# Ice Axe ECO S30

Deicer solution (- 35°C)

24-HOUR NUMBER: 519-871-4703

Manufacturer's name and address:

**Andemar Ice and Dust Control Ltd.**

60 Water St. S., St. Marys ON N4X 1A3 Canada

Phone: 519-871-4703

Supplier's name  
and website address:



## Section 2: Hazard identification

**GHS Classification**

Not classified

**Pictograms**

Not applicable

**Signal Word**

No signal word

**Hazard Statements**

No known significant effects or critical hazards.

**Precautionary Statements**

Keep out of reach of children. If medical advice is needed, have label at hand.

Prevention: not applicable

Response: not applicable

Storage: not applicable

Disposal: not applicable

## Section 3: Composition / information on ingredients

**Hazardous Ingredients:**

CHEMICAL NAME	CAS NUMBER	CONCENTRATION [%]
1,2,3-Propanetriol	56-81-5	24 - 26
Sodium Chloride	7647-14-5	16 - 18
Corrosion Inhibitor	Proprietary	1 - 3

## Section 4: First aid measures

**Description of First Aid Measures**

**General:** Low risk to adverse health effects.

**Inhalation:** No known significant effects or critical hazards.

**Skin Contact:** No known significant effects or critical hazards. Wash with water.

**Eye Contact:** Remove contact lenses. Rinse with cold water or saline solution.

**Ingestion:** Seek medical advise. Do not induce vomiting.

**Most Important Symptoms and Effects Both Acute and Delayed**

**General:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Skin Contact:** No known significant effects or critical hazards.

**Eye Contact:** Mild irritation. If irritation persists, seek medical attention.

**Ingestion:** Seek medical advise. Do not induce vomiting.

## Section 5: Fire-fighting measures

**Extinguishing Media**

**Suitable Extinguishing Media:** Evaluate based on surrounding fire.

**Unsuitable Extinguishing Media:** Evaluate based on surrounding fire.

**Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Evaluate based on surrounding fire.

**Explosion Hazard:** Evaluate based on surrounding fire.

**Advice for Firefighters**

**Precautionary Measures Fire:** Evaluate based on surrounding fire.

**Firefighting Instructions:** Evaluate based on surrounding fire.

**Protection During Firefighting:** Full protective gear. Self-contained breathing apparatus should be worn.

**Hazardous Combustion Products:** None - Evaluate based on surrounding fire.

## Section 6: Accidental release measures

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

**General Measures:** Clear and restrict hazard area access to authorized persons only. SLIP HAZARD.

**For Non-Emergency Personnel**

**Protective Equipment:** Wear Safety glasses, Boots and Gloves.

**Emergency Procedures:** Mop up small spills. Dike large spills and pump into plastic salvage containers for reuse or appropriate disposal.

**For Emergency Personnel**

**Protective Equipment:** Wear Safety Glasses.

**Emergency Procedures:** Mop up small spills. Dike large spills and pump into plastic salvage containers for reuse or appropriate disposal.

**Environmental Precautions**

**Methods and Material for Containment and Cleaning Up**

**For Containment:** Erect solid barriers for large spills. Seal drains.

**Methods for Cleaning Up:** Mop up small spills. Dike large spills and pump into plastic salvage containers for reuse or appropriate disposal.

## Section 7: Handling and storage

**Precautions for Safe Handling**

**Additional Hazards When Processed:** Use only Manufacturer supplied storage and/or dispensing equipment. See GHS WORKPLACE LABEL in your work area.

**Hygiene Measures:** Do not eat, drink or smoke while handling this product.

**Personal Protection Equipment required when handling.**

**Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures:** Normal ventilation.

**Storage Conditions:** Keep only in original containers.

**Special Rules on Packaging:** Consult Manufacturer or Supplier.

**Specific End Use(s)** IceAxe ECO S30 - 35°C is a water brine solution used as a pre snow and ice rain forecast application for roadways and sidewalks. This product is designed to provide consistent melting performance at the stated temperatures above while limiting the chloride content of the solution for reduced environmental impact to run off water. The organic glycerol content of the solution provides improved melt timeline with respect to refreeze of the solution when applied properly. The organic content also reduces irritation to animal foot exposure.

For detailed instructions or concerns consult the Manufacturer or Supplier.

**Incompatible Materials:** Do not mix with other substances.

## Section 8: Exposure controls / personal protection

### Control Parameters

AIHA WEEL TWA: Inhalable mist: 10mg/m<sup>3</sup>.

OSHA PEL: Inhalable mist: 15mg/m<sup>3</sup>.

### Exposure Controls

Appropriate Engineering Controls: Normal ventilation removing any possible hazard from an inside or outside work environment.

### Personal Protective Equipment:



Other Information: Handle in accordance with good hygiene and safety practices and procedures. GLOVES are not always required.

## Section 9: Physical and chemical properties

### Information on Basic Physical and Chemical Properties

Physical State: Liquid.

Appearance: Hazy - Greenish - Blue.

Odour: None.

Odour Threshold: Not applicable.

pH: 6.5 - 7.5.

Relative Evaporation Rate (butyl acetate=1): Not applicable.

Melting Point: Not applicable.

Freezing Point: - 35°C.

Boiling Point: 116°C .

Flash Point: Not applicable.

Auto-ignition Temperature: Not applicable.

Decomposition Temperature: Not applicable.

Flammability (solid/gas): Not applicable.

Lower Flammable Limit: Not applicable.

Upper Flammable Limit: Not applicable.

Vapour Pressure: Not applicable.

Relative Vapour Density at 20°C: Not applicable..

Relative Density (water=1): 1.2 @ 15°C

Solubility in Water: Complete

Partition coefficient: n-octanol/water: Not applicable.

Viscosity: Not applicable.

Explosion Data - Sensitivity to Mechanical Impact: Not applicable.

Explosion Data - Sensitivity to Static Discharge: Not applicable.

## Section 10: Stability and reactivity

Reactivity: Not applicable.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None when used as directed.

Conditions to Avoid: Not applicable.

Incompatible Materials: Not applicable.

Hazardous Decomposition Products: None under normal conditions.

## Section 11: Toxicological information

### Information on Toxicological Effects - Product

Acute Toxicity: Not available.

LD<sub>50</sub> Data (Species-Route): Mouse - oral: 4g/kg Rat - oral: 3g/kg

LC<sub>50</sub> Data (Species-Route): Not available.

Skin Corrosion/Irritation: No known significant effects or critical hazards.

Serious Eye Damage/Irritation: No known significant effects or critical hazards.

Respiratory or Skin Sensitization: Not suspected.

Germ Cell Mutagenicity: Not suspected.

Teratogenicity: Not suspected.

Carcinogenicity: Not suspected.

Specific Target Organ Toxicity (Repeated Exposure): Not available.

Reproductive Toxicity: Not suspected.

Specific Target Organ Toxicity (Single Exposure): Not suspected.

Aspiration Hazard: Not anticipated.

Symptoms/Injuries After Inhalation: Irritation/Slight tingling sensation.

Symptoms/Injuries After Skin Contact: Slight irritation/No visible observation.

Symptoms/Injuries After Eye Contact: Tearing/No visible observation.

Symptoms/Injuries After Ingestion: No visible observation/Not suspected..

Information on Toxicological Effects - Ingredients

Not available.

## Section 12: Ecological information

Toxicity: Not applicable when used as directed.

Mobility in Soil: Water soluble until bound by soil.

Other Adverse Effects

Other Information:

Hygroscopic effect for dust control on gravel roads and parking lots.

## Section 13: Disposal considerations

Waste Disposal Recommendations: Consult Manufacturer or Supplier.

Additional Information: The intended application process does not generate a hazardous industrial waste.

Comply with Canadian Ministry of Environment and Climate Change:

Reglation 347 and local municipal by-laws.

Comply with US EPA's federal, state & local regulations.

Provincial Waste Class: Waste stream to be determined for application method.

## Section 14: Transport information

TDGA Canada—Dangerous Goods: NOT REGULATED.

49 CFR (USA)—Dangerous Goods: NOT REGULATED.

IMDG (Vessel)—Dangerous Goods: NOT REGULATED.

IATA (Cargo air)—Dangerous Goods: NOT REGULATED.

IMDG (Passenger air)—Dangerous Goods: NOT REGULATED.

EMERGENCY ASSISTANCE: Not applicable

Proper Shipping Name: Not applicable

Hazard Class: Not applicable

Identification Number: Not applicable

Packing Group: Not applicable

Label/Placard Codes: Not applicable

## Section 15: Regulatory information

CANADA: All ingredients are listed on the DSL Domestic Substance List.

USA: All ingredients are listed on the TSCA Toxic Substances Control Act.

## Section 16: Other information

Prepared by: Health and Safety committee

Contact: A. Struthmann (Hon. BSc.)

Telephone: 1-519-536-1617

Date prepared: 2024-08-28

Additional information: The information in this SDS has been obtained from sources believed to be reliable. The manufacturer and supplier provides no warranties express or implied and assumes no responsibility for the accuracy or the completeness of the data contained herein.