



# Safety Data Sheet

---

## Section 01 - Identification

---

<b>Product Identifier</b>	Avalanche Cleaner-Degreaser
<b>Other Means of Identification</b>	None
<b>Product Use and Restrictions on Use</b>	Cleaning and degreasing of machinery, heavy equipment, boats, garage floors, vinyl siding, aluminum siding.
<b>Initial Supplier Identifier</b>	ClearTech Industries Inc. 1500 Quebec Avenue Saskatoon, SK. Canada S7K 1V7
<b>Prepared By</b>	ClearTech Industries Inc. Technical Writer Phone: 1 (800) 387-7503
<b>24-Hour Emergency Phone</b>	Phone: 1 (306) 664 – 2522

---

## Section 02 - Hazard Identification

---

### GHS-Classification

**Serious Eye Damage/Irritation**      Category 2

### Physical Hazards

No known physical hazards.

### **Warning**

### **Hazards Statements**

H319 – Causes serious eye irritation.

### **Pictograms**



### **Precautionary Statements**

P264 – Wash hands thoroughly after handling.

P280 – Wear eye protection and face protection.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 – If eye irritation persists: Get medical advice/attention.

---

## Section 03 - Composition / Information on Ingredients

---

Chemical Name	CAS Number	Weight %	Unique Identifiers
Diethylene glycol monoethyl ether	111-90-0	3-7%	
Water	7732-18-5	97-93%	

---

## Section 04 - First Aid Measures

---

<b>Inhalation</b>	If symptoms are experienced, remove source of contamination or move victim to fresh air. Obtain medical advice.
<b>Skin Contact / Absorption</b>	Remove contaminated clothing, shoes and leather goods. Flush with lukewarm, gently flowing water. If irritation occurs, seek medical attention.
<b>Eye Contact</b>	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 30 minutes, while holding the eyelid(s) open. If a contact lens is present, remove only if easy to do so. If irritation persists, seek medical attention.
<b>Ingestion</b>	Have victim rinse mouth thoroughly with water. Obtain medical advice.
<b>Additional Information</b>	Not Available.

---

## Section 05 - Fire Fighting Measures

---

<b>Suitable Extinguishing Media</b>	Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog. Special "alcohol resistant fire-fighting foams" are recommended for use with any polar combustible liquid that is completely soluble in water.
<b>Unsuitable Extinguishing Media</b>	Not Available.
<b>Specific Hazards Arising From the Chemical</b>	Toxic carbon monoxide, carbon dioxide and other irritating/toxic chemical may be generated. Closed containers may rupture violently when heated.
<b>Special Protective Equipment and Precautions for Fire-Fighters</b>	Wear NIOSH-approved self-contained breathing apparatus and protective clothing.
<b>Further Information</b>	Not Available.

---

## Section 06 - Accidental Release Measures

---

<b>Personal Precautions / Protective Equipment / Emergency Procedures</b>	Wear appropriate personal protective equipment if required. Ventilate area. Isolate hazard area and restrict access.
<b>Environmental Precautions</b>	Prevent from entering sewers and waterways.
<b>Methods and Materials for Containment and Cleaning Up</b>	Small spills: Take up with inert sorbent material. Place in suitable, covered, labelled containers. Flush area with water. Contaminated absorbent material may pose the same hazards as the spilled product. Large spills: Dike with earth, sand or inert sorbent material to contain spill. Remove liquid by pumps or vacuum equipment. Place in suitable, covered, labelled containers. Take up residual with inert sorbent material. Flush area with water.

---

## Section 07 - Handling and Storage

---

<b>Precautions for Safe Handling</b>	Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposures.
--------------------------------------	--

**Conditions for Safe Storage** Store in a dry area indoors at temperatures above 0°C. Store away from oxidizer and acids. Keep container tightly closed.

**Incompatibilities** Strong oxidizers, calcium hypochlorite, perchloric acid, strong acids, chlorides.

---

## **Section 08 - Exposure Controls and Personal Protection**

---

### **Exposure Limit(s)**

<b>Component</b>	<b>Regulation</b>	<b>Type of Listing</b>	<b>Value</b>
Diethylene glycol monoethyl ether	WEELs	WEEL-TWA	25ppm

### **Engineering Control(s)**

**Ventilation Requirements** Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.

**Other** Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

### **Protective Equipment**

**Eyes/Face** Chemical safety goggles suitable for splash protection, and/or face shield. Contact lenses should not be worn; they may contribute to severe eye injury.

**Hand Protection** Impervious gloves of chemically resistant material (rubber or PVC) should be worn.

**Skin and Body Protection** Body suite, aprons, and/or coveralls of chemical resistant material should be worn. Impervious boots of chemically resistant material should be worn at all times. No special footwear is required other than what is mandated at place of work.

**Respiratory Protection** Respiratory protection is not normally required. If use creates dust formations, then a NIOSH-approved respirator with a dust cartridge is recommended.

**Thermal Hazards** Not Available.

---

## **Section 09 - Physical and Chemical Properties**

---

### **Appearance**

<b>Physical State</b>	Liquid
<b>Colour</b>	Clear or yellow
<b>Odour</b>	Odourless
<b>Odour Threshold</b>	Not Available

### **Property**

<b>pH</b>	7.1
<b>Melting Point/Freezing Point</b>	0°C
<b>Initial Boiling Point and Boiling Range</b>	100°C

<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not Available
<b>Flammability</b>	Not flammable
<b>Upper Flammable Limit</b>	Not Available
<b>Lower Flammable Limit</b>	Not Available
<b>Vapour Pressure (mm Hg, 20°C)</b>	Not Available
<b>Vapour Density (Air=1)</b>	Not Available
<b>Relative Density</b>	Not Available
<b>Solubility(ies)</b>	Completely soluble
<b>Partition Coefficient: n-octanol/water</b>	Not Available
<b>Auto-ignition Temperature</b>	Not Available
<b>Decomposition Temperature</b>	Not Available
<b>Viscosity</b>	Not Available
<b>Explosive Properties</b>	Not sensitive to mechanical impact or static discharge.
<b>Specific Gravity (Water=1)</b>	1.022
<b>% Volatiles by Volume</b>	Not Available
<b>Formula</b>	Not Available
<b>Molecular Weight</b>	Not Available

---

## Section 10 - Stability and Reactivity

---

<b>Reactivity</b>	Not available
<b>Stability</b>	Product is stable.
<b>Possibility of Hazardous Reactions</b>	None reported.
<b>Conditions to Avoid</b>	Not available.
<b>Incompatible Materials</b>	Oxidizers and acids.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide and oxides of sodium.

---

## Section 11 - Toxicological Information

---

### Acute Toxicity

<b>Component</b>	<b>Oral LD<sub>50</sub></b>	<b>Dermal LD<sub>50</sub></b>	<b>Inhalation LC<sub>50</sub></b>
Diethylene glycol monoethyl ether	38.4 g/kg (rat)	73.4 g/kg (rabbit)	>108.4 g/m <sup>3</sup> (rat)

## Chronic Toxicity – Carcinogenicity

### Component

Diethylene glycol monoethyl ether

### IARC

Not listed as a carcinogen

<b>Skin Corrosion/Irritation</b>	May cause temporary irritation (redness and itching).
<b>Ingestion</b>	Not expected to be toxic. High doses may cause depression of the central nervous system with symptoms such as nausea, vomiting and drowsiness.
<b>Inhalation</b>	No known effects are expected.
<b>Serious Eye Damage/Irritation</b>	Serious eye irritant.
<b>Respiratory or Skin Sensitization</b>	Not a skin sensitizer.
<b>Germ Cell Mutagenicity</b>	No known effects are expected.
<b>Reproductive Toxicity</b>	No known effects are expected.
<b>STOT-Single Exposure</b>	No known effects are expected.
<b>STOT-Repeated Exposure</b>	No known effects are expected.
<b>Aspiration Hazard</b>	Not Available
<b>Synergistic Materials</b>	Not Available

---

## **Section 12 – Ecological Information**

---

### Ecotoxicity

Component	Toxicity to Algae	Toxicity to Fish	Toxicity to Daphnia and Other Aquatic Invertebrates
Diethylene glycol monoethyl ether	Not Available	LC <sub>50</sub> (Pimephales promelas, 96hr): 9650mg/L	LC <sub>50</sub> (Daphnia magna, 48hr): 1982mg/L
<b>Biodegradability</b>	Product should biodegrade rapidly in the environment following an acclimation period.		
<b>Bioaccumulation</b>	Not Available.		
<b>Mobility</b>	Expected to have very high mobility in soil.		
<b>Other Adverse Effects</b>	Not Available.		

---

## **Section 13 – Disposal Considerations**

---

<b>Waste From Residues/Unused Products</b>	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
<b>Contaminated Packaging</b>	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

---

## **Section 14 – Transport Information**

---

<b>UN Number</b>	Not Regulated
<b>UN Proper Shipping Name</b>	Not Regulated
<b>Transport Hazard Class(es)</b>	Not Regulated
<b>Packaging Group</b>	Not Regulated
<b>Environmental Hazards</b>	Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.
<b>Special Precautions</b>	Not Available
<b>Transport in Bulk</b>	Not Available

## **TDG**

### **Other**

Secure containers (full and/or empty) with suitable hold down devices during shipment and ensure all caps, valves, or closures are secured in the closed position.

**TDG PRODUCT CLASSIFICATION:** This product has been classified on the preparation date specified at section 14 of this MSDS / SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS / SDS.

---

## **Section 15 – Regulatory Information**

---

**NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.**

---

## **Section 16 – Other Information**

---

**Preparation Date** September 4, 2015

**Note:** The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

### **Attention: Receiver of the chemical goods / SDS coordinator**

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution<sup>®</sup> initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

### **References:**

- 1) CHEMINFO
- 2) eChemPortal
- 3) TOXNET
- 4) Transportation of Dangerous Goods Canada
- 5) HSDB
- 6) ECHA

## **ClearTech Industries Inc. - Locations**

**Corporate Head Office: 1500 Quebec Avenue, Saskatoon, SK, S7K 1V7**

**Phone: 1(306) 664 – 2522**

**Fax: 1(888) 281-8109**

[www.cleartech.ca](http://www.cleartech.ca)

**24 Hour Emergency Number - All Locations – 1(306) 664-2522**