

# Klondike Cleaner / Degreaser

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Klondike Cleaner / Degreaser
<b>Other Means of Identification</b>	Code No. KL-CH65
<b>Recommended Use</b>	All purpose cleaner and degreaser.
<b>Restrictions on Use</b>	Use only as directed according to label instructions.
<b>Manufacturer/Supplier Identifier</b>	KLONDIKE Lubricants, 3078 275th Street, Aldergrove, British Columbia, V4W 3L4, Canada, (877) 293-4691
<b>Emergency Phone No.</b>	CANUTECH, 613-996-6666, 24-hr for Emergencies involving Dangerous Goods
<b>SDS No.</b>	0567

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Skin irritation - Category 2; Serious eye damage - Category 1

### Label Elements



Danger

Corrosive

Causes severe eye damage and skin irritation or burns.

May be harmful if swallowed.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
2-Butoxyethanol	111-76-2	5-10		
Ethanolamine	141-43-5	1-5		
Alcohols, C9-11, ethoxylated, liquids	68439-46-3	1-5		

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

If irritation is experienced, remove person to fresh air.

Get medical advice or attention if you feel unwell or are concerned.

#### Skin Contact

In case of contact, immediately flush skin with plenty of water.

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Call a physician if irritation develops or persists.

#### **Eye Contact**

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open.

Remove contact lenses, if present and easy to do.

If eye irritation persists, get medical advice or attention.

#### **Ingestion**

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again.

Immediately call a Poison Centre or doctor.

#### **Immediate Medical Attention and Special Treatment**

##### **Target Organs**

Eyes, skin, respiratory system, digestive system.

##### **Medical Conditions Aggravated by Exposure**

Asthma, skin allergies.

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

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Not combustible. Use extinguishing agent suitable for surrounding fire.

#### **Unsuitable Extinguishing Media**

None known.

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

This product presents no unusual hazards in a fire situation.

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

Wear full fire fighting equipment and respirator.

## **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.

Increase ventilation to area or move leaking container to a well-ventilated and secure area.

### **Environmental Precautions**

Do not allow into any sewer, on the ground or into any waterway.

If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

Minimize the use of water to prevent environmental contamination.

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

Contain and/or absorb spill with commercial absorbents and then place into a suitable container for disposal.

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

### **Precautions for Safe Handling**

Do not get in eyes, on skin or on clothing.

Do not breath gas/fumes/vapour/spray.

Do NOT ingest.

Keep containers tightly sealed when not in use.

### **Conditions for Safe Storage**

Store in a cool dry area away from incompatible materials.

Keep out of reach of children in a tightly closed container away from food, drink and animal feed.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Ethanolamine	3 ppm	6 ppm				
2-Butoxyethanol	20 ppm		25 ppm			
Alcohols, C9-11, ethoxylated, liquids	Not established		Not established			

### Appropriate Engineering Controls

Use ventilation adequate to keep exposures (airborne levels of vapour) below the recommended exposure limits. Provide eyewash and safety shower if contact or splash hazard exists. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

#### Skin Protection

Wear protective gloves and clothing to prevent skin contact.

#### Respiratory Protection

Use in well ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Clear blue liquid.
pH	~ 13.1
Melting Point/Freezing Point	~ 0 °C (32 °F) (freezing)
Flash Point	Not applicable
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Solubility	Soluble in water
Other Information	
Physical State	Liquid
Bulk Density	~ 1.03 kg/L

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Conditions to Avoid

High temperatures.  
Freezing.  
Incompatible materials.

### Incompatible Materials

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

#### **Hazardous Decomposition Products**

May include but are not limited to oxides of carbon, nitrogen and ammonia.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

### **Likely Routes of Exposure**

Inhalation.  
Skin contact.  
Skin absorption.  
Eye contact.  
Ingestion.

### **Acute Toxicity**

<b>Chemical Name</b>	<b>LC50</b>	<b>LD50 (oral)</b>	<b>LD50 (dermal)</b>
Ethanolamine	> 1.21 mg/L (rat) (4-hour exposure)	1720 mg/kg (rat)	1000 mg/kg (rabbit)
2-Butoxyethanol	450 ppm (rat) (4-hour exposure)	530 mg/kg (rat)	400-500 mg/kg (rabbit)
Alcohols, C9-11, ethoxylated, liquids		1378 mg/kg (rat)	> 2000 mg/kg (rabbit)

### **Skin Corrosion/Irritation**

May cause irritation or symptoms such as redness, edema, drying, defatting or cracking of the skin.

### **Serious Eye Damage/Irritation**

May cause severe irritation or burns.

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

#### **Inhalation**

May cause irritation of the respiratory system.

#### **Skin Absorption**

May cause irritation on prolonged contact.

#### **Ingestion**

Harmful if swallowed.

### **Aspiration Hazard**

May be drawn into the lungs (aspirated) if swallowed or vomited.

### **STOT (Specific Target Organ Toxicity) - Repeated Exposure**

No chronic effects are expected provided adequate person protection is taken during usage.

### **Respiratory and/or Skin Sensitization**

Not expected to produce any respiratory system problems when used in a well ventilated area.

### **Carcinogenicity**

Not known to cause cancer.

### **Reproductive Toxicity**

#### **Development of Offspring**

Not known to harm the unborn child.

#### **Sexual Function and Fertility**

Not known to cause effects on sexual function or fertility.

#### **Effects on or via Lactation**

Not known to cause effects on or via lactation.

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**Germ Cell Mutagenicity**

Not known to be a mutagen.

**Interactive Effects**

No information was located.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

May cause long-term adverse effects in the aquatic environment.

**Persistence and Degradability**

Readily biodegradable (test method #301D, OECD).

**Bioaccumulative Potential**

No information was located.

**Mobility in Soil**

No information was located.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal Methods**

Dispose of contents and container in accordance with local, regional, national and international regulations.

**SECTION 14. TRANSPORT INFORMATION**

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	2491	Ethanolamine Solution	8	III

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15. REGULATORY INFORMATION****Safety, Health and Environmental Regulations****Canada****WHMIS 1988 Classification**

Class D2B



Class E

D2B - Toxic (Skin irritant; Eye irritant); E - Corrosive

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

**SECTION 16. OTHER INFORMATION**

**SDS Prepared By** Technical Department

**Date of Preparation** November 16, 2017

**Disclaimer** The user of this product assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate.

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However, the supplier assumes no liability whatsoever for the accuracy or completeness of the information contained herein.

No representation of warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers.

The data contained on this sheet apply to the products supplied to the user.