



Safety Data Sheet

Eco Kleen

SECTION 1. IDENTIFICATION

Product Identifier Eco Kleen
Other Means of Identification Code No. 112
Recommended Use Vehicle Wash Detergent.
Restrictions on Use Use only as directed according to label instructions.
Manufacturer Leysons Products, a division of 1787528 Ontario Inc., 1366 Sandhill Drive, Ancaster, Ontario, L9G 4V5, (905) 648-7832
Emergency Phone No. CANUTECH, 613-996-6666, 24-hr for Emergencies involving Dangerous Goods
SDS No. 0211

SECTION 2. HAZARD IDENTIFICATION

Classification

Skin irritation - Category 2; Eye irritation - Category 2B

Label Elements



Warning
May be harmful if swallowed.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Poly(oxy-1,2-ethanediyl), alpha-sulfo- omega -hydroxy-, C10-16-alkyl ethers, sodium salts	68585-34-2	5-10		
Coconut Diethanolamide	68603-42-9	1-5		
Benzenesulfonic acid, C10-16-alkyl derivs.	68584-22-5	1-5		
Sodium hydroxide	1310-73-2	0.1-1.0		

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.

Product Identifier: Eco Kleen - Ver. 1
Date of Preparation: August 04, 2016
Date of Last Revision:

SDS No.: 0211

Page 01 of 06

Skin Contact

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

If eye irritation persists, get medical advice or attention.

Ingestion

In case of ingestion, call a doctor or anti-poison Centre.

Most Important Symptoms and Effects, Acute and Delayed

May cause moderate to severe eye irritation.

May be harmful if swallowed.

May cause skin irritation on prolonged contact.

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

Large quantities of concentrated material should be contained with a suitable absorbent and then disposed with according to local or federal regulations.

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 ingest.

Keep containers tightly sealed when not in use.

Conditions for Safe Storage

Store in a cool dry area away from incompatible materials.

Product Identifier: Eco Kleen - Ver. 1

Date of Preparation: August 04, 2016

Date of Last Revision:

SDS No.: 0211

Page 02 of 06

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Coconut Diethanolamide	Not established					
Sodium hydroxide	2 mg/m3					
Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega -hydroxy-, C10-16-alkyl ethers, sodium salts	Not established					
Benzenesulfonic acid, C10-16-alkyl derivs.	Not established					

Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Individual Protection Measures

Eye/Face Protection

Wear eye protection if contact is not preventable.

Skin Protection

Wear protective gloves and clothing to prevent skin contact.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear red liquid.
Odour	Sweet
pH	~ 9.5
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	~ 1.01 kg/L

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Product Identifier: Eco Kleen - Ver. 1
Date of Preparation: August 04, 2016
Date of Last Revision:

SDS No.: 0211

Page 03 of 06

Conditions to Avoid

High temperatures.
Freezing.
Incompatible materials.

Incompatible Materials

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

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Coconut Diethanolamide		> 3000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Sodium hydroxide	Not available	300-500 mg/kg (rat)	> 2000 mg/kg (rabbit)
Poly(oxy-1,2-ethanediyl), alpha-sulfo- omega -hydroxy-, C10-16-alkyl ethers, sodium salts		> 2000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Benzenesulfonic acid, C10-16-alkyl derivs.		775 mg/kg (rat)	

Skin Corrosion/Irritation

May cause irritation on prolonged contact.

Serious Eye Damage/Irritation

May cause moderate to severe eye irritation.

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

Not expected to cause any significant irritation.

Skin Absorption

May cause irritation on prolonged contact.

Ingestion

May be 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

Product Identifier: Eco Kleen - Ver. 1
Date of Preparation: August 04, 2016
Date of Last Revision:

SDS No.: 0211

Page 04 of 06

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.

Germ Cell Mutagenicity

Not known to be a mutagen.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

May cause adverse effects in the aquatic environment.

Persistence and Degradability

May cause adverse effects in the aquatic environment.

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

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

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

D2B - Toxic (Skin irritant; Eye irritant)

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 Mark Bryans
Phone No. (905) 648-7832 ext 351

Product Identifier: Eco Kleen - Ver. 1
Date of Preparation: August 04, 2016
Date of Last Revision:

SDS No.: 0211

Page 05 of 06

Date of Preparation August 04, 2016

Revision Indicators The following SDS content was changed on November 15, 2016:
Section 11 - Toxicological Information; LC50/LD50 values.

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.
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.

Product Identifier: Eco Kleen - Ver. 1
Date of Preparation: August 04, 2016
Date of Last Revision:

SDS No.: 0211

Page 06 of 06