

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Window Kleen

Other means of identification: ENV-801

Recommended use: Window cleaner

Restrictions on use: None

Manufacturer: EnviroWay

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Tel: 306-244-7727

Fax: 306-244-7772

Toll free: 1-888-274-0862, www.enviroway.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

Poison Control: 1-866-454-1212 (Saskatchewan)

SECTION 2: HAZARD IDENTIFICATION

Hazard classification

Flammable liquids	Category 4
Skin corrosion/irritation	Category 3
Serious eye damage/irritation	Category 2A

Signal word Warning



Hazard statements

Combustible liquid.

Causes mild skin irritation.

Causes serious eye irritation.

Precautionary statements

Prevention Keep away from heat, hot surfaces, open flames, sparks and other ignition sources. No smoking.

Wash hands thoroughly after handling.

Wear protective gloves, protective clothing, eye protection, and face protection.

Response In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.

If skin irritation occurs: Get 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.

Storage Store in a well-ventilated place. Keep cool.

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

The following ingredients have hazardous properties:

Chemical name	CAS #	% by weight
Isopropyl Alcohol	67-63-0	10-20
ethylene glycol monobutyl ether	111-76-2	1-5

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: If large quantities are consumed, it may cause headache, nausea, vomiting and diarrhoea

IF ON SKIN: Wash thoroughly after handling. If skin irritation occurs: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. If eye irritation persists: Get medical advice/attention.

IF exposed or concerned: Get medical advice/attention if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If person is not breathing perform CPR.

Most important symptoms/effects/effects acute and delayed: See Section 11 for more detailed information on health effects and symptoms.

Immediate medical attention and special treatment needed: Not available

SECTION 5: FIRE FIGHTING MEASURES

Flammable: Flammable liquid and vapour

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: None

Flashpoint: ~30°C

Special Fire Fighting Procedures: Use water spray to keep containers cool. Fire fighters should wear self-contained breathing apparatus and full protective clothing.

Hazardous Combustion Products: Oxides, carbon monoxide and carbon dioxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Flush liquid to sewer with plenty of water, if the spill is small. Large spills should be contained by surrounding with soil or other non-combustible absorbent material and then pump into DOT approved containers.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Handle in accordance with good industrial hygiene.

Storage Requirements: Store in a dry and well ventilated place away from incompatible materials. Avoid contact with skin and eyes.

*****KEEP OUT OF REACH OF CHILDREN*****

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Isopropyl Alcohol	Not available	Not available	Not available
ethylene glycol monobutyl ether	100mg/m3 STEL	50ppm TWA	Not available

Gloves: Wear protective gloves

Respirator: Not required for regular use

Eye: Wear eye protection

Footwear: Not required for regular use

Clothing: Wear protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue liquid

Odour: Mild scent

Odour Threshold (ppm): Information not available

pH: 10.4

Melting point/Freezing Point: 0°C

Initial Boiling Point/Range: 100°C

Flash point: ~30°C

Evaporation Rate: 2.88

Flammability: Flammable liquid and vapour

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: Not known

Materials to Avoid: Not known.

Hazardous Decomposition Products: Oxides, carbon monoxide and carbon dioxide in case of fire.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Isopropyl Alcohol	>5000	12800	72.6
ethylene glycol monobutyl ether	1300	220	450

EFFECTS OF ACUTE EXPOSURE:

Ingestion: Ingestions of large amounts may cause nausea, headaches, vomiting and diarrhoea.

Skin Contact: Causes mild skin irritation.

Eye Contact: Causes serious eye irritation.

Inhalation: May cause coughing, headaches, vomiting or nausea.

Germ cell mutagenicity: Not applicable

Carcinogenicity: Isopropyl Alcohol is listed as an IARC Group 3 carcinogen: not classifiable as to its carcinogenicity in humans

Reproductive toxicity: Not applicable

STOT single exposure: May cause drowsiness or dizziness.

STOT repeated exposure: Not applicable

Aspiration hazard: Not applicable

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 77,480 mg/kg

Dermal: LD50 42,618 mg/kg

Inhalation: LC50 395 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Isopropyl Alcohol	LC50 9640 mg/L, 96h	EC50 7550 mg/L, 48h	Not available
ethylene glycol monobutyl ether	LC50 1474mg/L, 96h	Not available	Not available

Persistence and Degradability: Expected to be >50% biodegradable.

Bioaccumulation/Accumulation: No information available.

Mobility: No information available.



Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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: Flammable liquid, n.o.s. (isopropyl alcohol)

Hazard Class: 3

UN Number: UN1993

Packing Group: II

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. No safety, health, or environmental regulations specific to this product are known.

SECTION 16: OTHER INFORMATION

Date of latest revision: Sept 20, 2019

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