

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Carpet Kleen (#419)

Recommended use: Carpet Cleaner

Manufacturer: EnviroWay Detergent Manufacturing Incorporated
2241 Hanselman Ave.
Saskatoon, SK S7L 6A7, Canada
Tel: 306-244-7727
Fax: 306-244-7772
Toll free: 1-888-274-0862, www.envioway.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

In Transit: 1-613-996-6666 or *666 on cellular phone (CANUTEC)

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

SECTION 2: HAZARD IDENTIFICATION

Hazard classification

Skin corrosion/irritation	Category 2
Serious eye damage/irritation	Category 1
Skin Sensitization	Category 1
Flammable liquid	Category 4

Signal word Danger



Hazard statements

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

Combustible liquid.

Precautionary statements

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

Wash hands thoroughly after handling.

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

Avoid breathing mist, vapours and spray.

Contaminated work clothing should not be allowed out of the workplace.

Response	<p>IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Immediately call a POISON CENTRE/doctor.</p> <p>In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.</p>
Storage	Store in a well-ventilated place.
Disposal	Dispose of in accordance with local regulations at government approved waste sites.

SECTION 3: COMPOSITION

The following ingredients have hazardous properties:

Ingredient	CAS #	% by weight
Potassium Hydroxide	1310-58-3	1-5
Lauryl alcohol ethylene oxide	9002-92-0	1-5
D` Limonene	5989-27-5	1-5
Glycol Ether EB	111-76-2	5-10
Sodium laureth sulfate	9004-82-4	1-5
Sodium xylene sulfonate	1300-72-7	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 ON SKIN (or hair): Immediately take off all contaminated clothing and wash before reuse. Rinse skin with water or shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Immediately call a poison centre/doctor.

IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

SECTION 5: FIRE FIGHTING MEASURES

Flammable: Yes

Means of Extinction: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Flashpoint: ~74°C

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Pickup with mops. Wash down residue with water.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Handle in accordance with good industrial hygiene. Avoid contact with skin and eyes.

Storage Requirements: Store locked up. Store in a dry, well ventilated and cool place away from incompatible materials. Avoid contact with skin and eyes. Wash affected skin and clothing with soap and water after use.

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Potassium Hydroxide	Not available	Not available	Not available
Lauryl alcohol ethylene oxide	Not available	Not available	Not available
D` Limonene	Not available	Not available	Not available
Glycol Ether EB	TLV 20ppm/96mg/m ³	PEL 25ppm / 120mg/m ³ (skin)	Not available
Sodium laureth (n=>3) sulfate	Not available	Not available	Not available
Sodium xylene sulfonate	Not available	Not available	Not available

Gloves: Wear protective gloves

Respirator: Wear a NIOSH approved self-contained breathing apparatus only in extremely high vapour concentration areas.

Eye: Safety glasses should be worn while product is being handled.

Footwear: not required for regular use

Clothing: Impervious clothing such as long sleeved shirt and trousers are recommended.

Other (Specify): An eye wash and safety shower should be available nearby.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Semi-transparent liquid

Odour: Citrus scent

Odour Threshold (ppm): <100ppm OSHA (PEL)

pH: 7 ± 0.5

Freezing Point: 10°C

Initial Boiling Point/Range: 89°C

Flash point: ~74°C

Evaporation Rate: <2.88 (medium)

Flammability: Flammable liquid

Upper/lower flammability/explosive limit: 1.82%/0.52%

Vapour Pressure (mmHg): 162 mmHg @ 89°C

Vapour Density (air = 1): >1

Relative density: 1.04

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: Will not occur.

Materials to Avoid: Strong acids and oxidizing materials.

Hazardous Decomposition Products: Avoid flames, welding arcs, or other high temperature sources which may induce thermal decomposition. May liberate carbon dioxide and carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Potassium Hydroxide	273	Not available	Not available
Lauryl alcohol ethylene oxide	4150	72000	Not available
D` Limonene	4400	>5000	Not available
Glycol Ether EB	470	400	486
Sodium laureth (n=>3) sulfate	>2000	>2000	Not available
Sodium xylene sulfonate	7200	2000	Not available

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

Skin Contact: Causes skin irritation.

Eye Contact: Causes serious eye damage.

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

Germ cell mutagenicity: Not applicable

Carcinogenicity: Not applicable

Reproductive toxicity: Not applicable

STOT single exposure: Not applicable

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 4,528 mg/kg

Dermal: LD50 7,043 mg/kg

Inhalation: LC50 3.059 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Potassium Hydroxide	LC ₅₀ (96h): 80mg/L (Mosquito fish)	EC ₅₀ (48h): 60mg/L (Daphnia magna)	Not available
Lauryl alcohol ethylene oxide	LC ₅₀ (96h): 1400 µg/L	LC ₅₀ (48h): >6460 µg/L	Not available
D` Limonene	LC ₅₀ (96h): 0.619-0.796 mg/L (Pimephales promelas)	Not available	Not available
Glycol Ether EB	LC ₅₀ (96h): 1490 mg/L (Lepomis macrochirus)	EC ₅₀ (24h): 1700mg/L (Daphnia magna)	EC ₅₀ : 720 mg/L (Pseudokirchnerella subcapitata)
Sodium laureth (n=>3) sulfate	LC ₅₀ (96h): 2.3 mg/L	EC ₅₀ (48h): > 13 ppm	EC ₅₀ (72h): >56 ppm
Sodium xylene sulfonate	LC ₅₀ (96h): >1000 mg/L	EC ₅₀ (48h): >40.3 mg/L	EC ₅₀ (96h): >230 mg/L

Persistence and Degradability: No information available.

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: Not Regulated

Hazard Class: Not Applicable.

UN Number: Not Applicable.

Packing Group: Not Applicable.

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.

US TSCA Inventory Status: All ingredients of this product are either on the Toxic Substance Control Act (TSCA) Inventory List or exempt.

SECTION 16: OTHER INFORMATION

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