

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Kleen & Shine (#701)

Recommended use: Neutral floor 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

Serious eye damage/irritation

Category 2

Signal word Warning



Hazard statements

Causes serious eye irritation.

Precautionary statements

Prevention Wash hands thoroughly after handling.

Wear eye and face protection.

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

SECTION 3: COMPOSITION

The following ingredients have hazardous properties:

Ingredient	CAS #	% by weight
Alkyl benzenesulfonic acid	68584-22-5	5-10
Tetrasodium EDTA	64-02-8	1-5
Glycol Ether EB	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: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Wash with plenty of soap and water. If irritation occurs or persists, seek medical attention.

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

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

SECTION 5: FIRE FIGHTING MEASURES

Flammable: Not flammable

Means of Extinction: Use water spray, dry chemical, carbon dioxide or foam. Do not use a direct water stream. Alcohol resistant foams should be preferred for large scale fires, if available.

Flashpoint: Information not available

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: Remove all the ignition sources. Recover free liquid. Ventilate the affected area. Wear protective equipment including rubber boots and rubber gloves. Always wear eye protection. For small spills or drips, wipe up and dispose off in DOT approved containers. For larger spills, contain by surrounding with soil or other non-combustible sorbent material and then pump into TDG approved waste containers. Or absorb with non-combustible sorbent material, place residue in TDG approved waste containers. Keep out of sewers, storm drains, surface waters and soils. Flush area with water after the material is absorbed. After dilution with water, the material can be neutralized.

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 in normal room temperature and a well-ventilated place away from incompatible materials. Keep containers tightly closed when not in use. Wash thoroughly after handling.

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

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Alkyl benzenesulfonic acid	Not available	Not available	Not available
Tetrasodium EDTA	Not available	Not available	Not available
Glycol Ether EB	TLV 20ppm/96mg/m ³	PEL 25ppm / 120mg/m ³ (skin)	Not available

Gloves: It is good practice to wear protective gloves while handling this product.

Respirator: Use NIOSH/MSHA approved equipment (full face-pipe recommended) when air-borne exposure limits are exceeded. If used, full face pipe replaces need for face shield and chemical goggles. A respirator is not normally required if used under no vapours or mists.

Eye: Use chemical safety glasses while handling this product.

Clothing: Not required

Other (Specify): Keep eye fountain and safety shower nearby.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous liquid

Odour: Lemon

Odour Threshold (ppm): Information not available

pH: 7

Freezing Point: Information not available

Initial Boiling Point/Range: ~93°C

Flash point: Information not available

Evaporation Rate: Information not available

Flammability: Not flammable

Upper/lower flammability/explosive limit: Information not available

Vapour Pressure (mmHg): Information not available

Vapour Density (air = 1): Information not available

Relative density: >1

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: Avoid alkalis and strong oxidizers, open flames, welding arcs, or other high temperature sources which may induce thermal decomposition.

Hazardous Decomposition Products: May liberate carbon dioxide, carbon monoxide or oxides of sulphur and/or sodium.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Alkyl benzenesulfonic acid	1250	>2000	Not available
Tetrasodium EDTA	Not available	Not available	Not available
Glycol Ether EB	470	400	486

EFFECTS OF ACUTE EXPOSURE:

Skin Contact: Prolonged contact may cause drying of the skin.

Eye Contact: Can cause serious eye irritation.

Inhalation: Generation of mists may cause irritation to the upper respiratory tract.

Ingestion: May cause headaches, dizziness, nausea, and stomach cramps.

Germ cell mutagenicity: Not applicable

Carcinogenicity: Ethylene Glycol Monobutyl Ether is listed as an IARC Group 3 carcinogen: not classifiable as to its carcinogenicity in humans

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 7,631 mg/kg

Dermal: LD50 11,692 mg/kg

Inhalation: LC50 16,200 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Alkyl benzenesulfonic acid	Not available	Not available	EC ₅₀ (72h): 47.3 mg/L
Tetrasodium EDTA	LC ₅₀ (96 h): >500 mg/L (Leuciscus idus)	EC ₅₀ (48 h): >100 mg/L	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)

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 regulated

UN Number: Not regulated

Packing Group: Not regulated

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

California Proposition 65: This product does not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

SECTION 16: OTHER INFORMATION

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