

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Kleen All (#240)

Recommended use: Degreaser and 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

CONCENTRATE HAZARDS:

Hazard classification

Skin corrosion/irritation	Category 1B
Eye damage/irritation	Category 1
Skin sensitization	Category 1
Corrosive to metals	Category 1

Signal word Danger



Hazard statements

Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
May be corrosive to metals.

Precautionary statements

Prevention Keep only in original packaging.
Wash hands thoroughly after handling.
Wear protective gloves, protective clothing, eye protection, and face protection.
Do not breathe mist or spray.
Contaminated clothing should not be allowed out of the workplace.

Response	<p>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE or doctor/physician.</p> <p>IF ON SKIN (or hair): Immediately call a POISON CENTRE or doctor/physician. Rinse skin with water/shower. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash 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. Continue rinsing. Immediately call a POISON CENTRE/doctor.</p> <p>IF INHALED: Remove victim to fresh air and keep comfortable for breathing.</p> <p>Absorb spillage to prevent material-damage.</p>
Storage	Store locked up.
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
Alpha Olefin Sulfonate (AOS)	68439-57-6	5-10
Sodium Metasilicate Pentahydrate	6834-92-0	5-10
Tetrasodium EDTA	64-02-8	1-5
Glycol Ether EB	111-76-2	1-5
Sodium xylenesulphonate	1300-72-7	1-5
Lauryl alcohol ethylene oxide	9002-92-0	5-10
Fragrance	100-52-7	<1

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. Immediately call a POISON CENTRE or doctor/physician.

IF ON SKIN (or hair): Immediately call a POISON CENTRE or doctor/physician. Rinse skin with water/shower. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash 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. Immediately call a POISON CENTRE/doctor.

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

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

SECTION 5: FIRE FIGHTING MEASURES

Flammable: Not flammable

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

Flashpoint: 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: 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. A full face pipe air purifying cartridge respirator equipped for organic vapours may be satisfactory in case of small spills and self-contained breathing apparatus in the pressure demand mode should be used in case of large spills.

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
Alpha Olefin Sulfonate (AOS)	Not available	Not available	Not available
Sodium Metasilicate Pentahydrate	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
Sodium xylenesulphonate	Not available	Not available	Not available
Lauryl alcohol ethylene oxide	Not available	Not available	Not available
Fragrance	Not available	Not available	Not available

Gloves: Butyl rubber gloves (CCOHS)

Respirator: NIOSH or MSHA approved self-contained breathing apparatus in high vapour concentrations not required under normal usage.

Eye: Safety glasses, if handling large amounts and if there is significant probability of splashes.

Clothing: Rubber gloves, rubber apron, rubber boots

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red liquid

Odour: Cherry scent

Odour Threshold (ppm): Information not available

pH: 12

Freezing Point: Information not available

Initial Boiling Point/Range: Information not available

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: Information not available
Solubility in Water: Information not available
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.
Hazardous Decomposition Products: Information not available

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Alpha Olefin Sulfonate (AOS)	3900	10000	52000
Sodium Metasilicate Pentahydrate	1153	Not listed	Not listed
Tetrasodium EDTA	Not listed	Not listed	Not listed
Glycol Ether EB	880	1060	925
Sodium xylenesulphonate	7200	2000	Not listed
Lauryl alcohol ethylene oxide	4150	72000	Not listed
Fragrance	1000	>1250	1-5

EFFECTS OF ACUTE EXPOSURE:

Ingestion: Ingestions of large amounts may cause nausea, headaches, vomiting and diarrhoea.
Skin Contact: Causes skin damage. May cause an allergic skin reaction.
Eye Contact: Causes serious eye damage.
Inhalation: May cause coughing, headaches, vomiting or nausea.

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 7,593 mg/kg

Dermal: LD50 11,694 mg/kg

Inhalation: LC50 .05 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Alpha Olefin Sulfonate (AOS)	LC ₅₀ (96hr): 3.1mg/L (Salmo trutta & Rasbora heteromorpha & Cyprinus carpio)	EC ₅₀ (48hr): 4.5mg/L (Cerioda phnia dubia)	EC ₅₀ : 5.2mg/L (Skeletonema costatum)
Sodium Metasilicate Pentahydrate	LC ₅₀ : 41mg/L (Lepomis macrochirus)	Not Established	EC ₅₀ : 1.01mg/L (Scenedesmus subspicatus)
Tetrasodium EDTA	Not Established	Not Established	Not Established
Glycol Ether EB	LC ₅₀ : 210mg/L (Brachydanio rerio)	Not Established	Not Established
Sodium xylenesulphonate	LC ₅₀ (96 h): >1000 mg/L	EC ₅₀ (48 h): >40.3 mg/L (daphnia)	EC ₅₀ (96 h): >230 mg/L
Lauryl alcohol ethylene oxide	LC ₅₀ (96h): 1.4 mg/L	LC ₅₀ (48h): >6.46 mg/L	Not Established
Fragrance	Not Established	Not Established	Not Established

Persistence and Degradability: Biodegradable

Bioaccumulation/Accumulation: No information available.

Mobility: No information available.

Other adverse effects: None known

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: Corrosive liquid, basic, inorganic, n.o.s.(Sodium metasilicate pentahydrate)

Hazard Class: 8

UN Number: UN3266

Packing Group: III

Note: No additional remark.

Marine Pollutant: None

SECTION 15: REGULATORY INFORMATION

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

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

Disclaimer – Notice to Reader

EnviroWay Detergent Manufacturing Incorporated, expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, EnviroWay makes no representations as to its accuracy or sufficiency. Conditions of use are beyond EnviroWay's control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.