

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Kleen All

Other means of identification: ENV-240

Recommended use: Degreaser and cleaner

Restrictions on use: Do not mix with acidic cleaners

Manufacturer: EnviroWay

2241 Hanselman Ave.

Saskatoon, SK S7L 6A7, Canada

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

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.

Response Contaminated clothing should not be allowed out of the workplace.
 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.
 Absorb spillage to prevent material-damage.

Storage Store locked up.

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 |
|----------------------------------|------------|-------------|
| 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.

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: Not flammable

Suitable extinguishing media: 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.

Hazardous Combustion Products: None known

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: EXPOSURE CONTROLS/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 was 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: 12-13

Melting point/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

Date of latest revision: Sept 24, 2019

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