

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Cement & Concrete Remover (#1403)

Recommended use: Descaler and cleaner

Manufacturer: EnviroWay Detergent Manufacturing Incorporated

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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

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 1
Serious eye damage/irritation	Category 1
STOT – Single exposure	Category 3
Corrosive to metals	Category 1

Signal word Danger



Hazard statements

Causes severe skin burns and eye damage.

May cause respiratory irritation.

May be corrosive to metals.

Precautionary statements

Prevention Keep only in original packaging.
Wash thoroughly after handling.
Wear protective gloves, protective clothing, eye protection, and face protection.
Do not breathe mist, vapours or spray.
Use only outdoors or in a well-ventilated area.

Response Immediately call a POISON CENTRE/doctor.

IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

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 victim to fresh air and keep comfortable for breathing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Absorb spillage to prevent material-damage.

Storage

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

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
Lauryl alcohol ethylene oxide	9002-92-0	1-5
Hydrochloric Acid	7647-01-0	10-20

SECTION 4: FIRST AID MEASURES

IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a poison centre or doctor immediately.

IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water. Call a poison centre or doctor immediately.

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

IF exposed or concerned: Seek immediate medical attention.

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 diking with soil or other non-combustible absorbent material and then pumped into dot approved containers. A full face-pipe air-purifying respirator equipped for organic vapours maybe satisfactory in case of small spills.

SECTION 7: HANDLING AND STORAGE

Handling Procedures: Use good industrial hygiene. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Storage Requirements: Store in a dry, well ventilated and cool place. Store in original container with closed lid. Store away from incompatible materials.

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Lauryl alcohol ethylene oxide	Not available	Not available	Not available
Hydrochloric Acid	(STEL) 2 ppm (Ceiling)	(STEL) 5 ppm (Ceiling)	50 ppm

Gloves: Chemical resistant gloves.

Respirator: A NIOSH approved self-breathing apparatus should be worn if vapour concentration exceeds limits.

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

Clothing: Wear long sleeved clothing and trousers.

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light pink liquid

Odour: Pungent scent

Odour Threshold (ppm): 1-5 ppm

pH: 0.6 ± 0.4

Freezing Point: Information not available

Initial Boiling Point/Range: Approx. 81.5°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): ~ 25 mmHg @20°C

Vapour Density (air = 1): >1

Relative density: 1.14

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: alkalis, oxidizing and reducing substances, cyanides, sulphides or combustible materials, formaldehydes, amines, vinyl acetate, and metal oxides.

Hazardous Decomposition Products: May liberate toxic and corrosive fumes of hydrochloric acid.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)

Lauryl alcohol ethylene oxide	4150	72000	Not available
Hydrochloric Acid	238-277	1449	2mg/L (30 min)

EFFECTS OF ACUTE EXPOSURE:

Ingestion: Ingestions of large amounts may cause nausea, headaches, vomiting and diarrhoea. Can cause burns to the mouth, throat and digestive tract.

Skin Contact: Causes serious skin burns.

Eye Contact: Causes serious eye damage.

Inhalation: Formation of fumes 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 138,356 mg/kg

Dermal: LD50 2,124,272 mg/kg

Inhalation: LC50 290,737 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Lauryl alcohol ethylene oxide	LC ₅₀ (96h) 1.4 mg/L	LC ₅₀ (48h): >6.46 mg/L	Not available
Hydrochloric Acid	LC ₅₀ (96h): 282 ppm (Mosquito Fish)	LC ₅₀ (48h): 100-330 ppm (Shrimp)	Not available

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: Corrosive liquid, acidic, inorganic, N.O.S. (Hydrochloric acid)

Hazard Class: 8

UN Number: UN3264

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

SECTION 16: OTHER INFORMATION

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