

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Heavy Duty Laundry Liquid

Other means of identification: ENV-1102

Recommended use: Laundry liquid

Restrictions on use: None

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

Hazard classification

Skin corrosion/irritation

Category 2

Serious eye damage/irritation

Category 1

Signal word Danger



Hazard statements

Causes skin irritation.

Causes serious eye damage.

Precautionary statements

Prevention Wash hands thoroughly after handling.

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

Response 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.

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

The following ingredients have hazardous properties:

Chemical name	CAS #	% by weight
Alkyl benzenesulfonic acid	68584-22-5	1-4
Alcohols C12-16 ethoxylate	68551-12-2	1-5
Imidazolium compounds	68604-71-7	1-5
Ethanol	64-17-5	1-5
Cocamidopropyl betaine	70851-07-9	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: Get medical advice/attention if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, 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. Immediately call a POISON CENTRE/doctor.

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: No

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.

Hazardous Decomposition Products: None expected.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: Clean spill with absorbent material and wash residue with water.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Storage Requirements: Store locked up. Keep away from incompatible materials. Avoid food contamination.

*****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
Alcohols C12-16 ethoxylate	Not available	Not available	Not available
Imidazolium compounds	Methanol (CAS 67-56-1) STEL 250 ppm, TWA 200 ppm	Methanol (CAS 67-56-1) PEL 260 mg/m ³ , 200 ppm	Not available
Ethanol	1000 ppm	1 000 ppm	Not available
Cocamidopropyl betaine	Not available	Not available	Not available

Gloves: Chemical resistant gloves.

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

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

Clothing: Rubber gloves, rubber apron and rubber boots.

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow liquid

Odour: Mild scent

Odour Threshold (ppm): Information not available

pH: 8.5

Melting point/Freezing Point: -5°C

Initial Boiling Point/Range: Information not available

Flash point: 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: 1.0

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: None known.

Hazardous Decomposition Products: None expected.

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
Alcohols C12-16 ethoxylate	>1700	Not available	Not available
Imidazolium compounds	5000	Not available	Not available
Ethanol	7060	20000	31623
Cocamidopropyl betaine	14600	Not available	Not available

EFFECTS OF ACUTE EXPOSURE:

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 19,226 mg/kg

Dermal: LD50 1,215,805 mg/kg

Inhalation: LC50 1,922,370 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
Alcohols C12-16 ethoxylate	LC ₅₀ (96hr): 2.6-2.9mg/L	EC ₅₀ (48hr): 1.2-2.7mg/L (Daphnia magna)	EC ₅₀ : 0.64-1.3mg/L
Imidazolium compounds	(96h): 1-100 mg/L	(48h): 6.5 mg/L	(72h): 0.55 - 48 mg/L

Ethanol	Not available	Not available	Not available
Cocamidopropyl betaine	LC ₅₀ (96h): 6.7 mg/L	EC ₅₀ (24h): 3.7 mg/L Daphnia	EC ₅₀ (72 h): 1.8 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. No safety, health, or environmental regulations specific to this product are known.

SECTION 16: OTHER INFORMATION

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