

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**Product name:** Heavy Duty Laundry Liquid (#1102)

**Recommended use:** Laundry liquid

**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](http://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

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

The following ingredients have hazardous properties:

Ingredient	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.

### 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.

### 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	Methanol (CAS 67-56-1) PEL	Not available

	ppm, TWA 200 ppm	260 mg/m <sup>3</sup> , 200 ppm	
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

**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 <sub>50</sub> (72h): 47.3 mg/L
Alcohols C12-16 ethoxylate	LC <sub>50</sub> (96hr): 2.6-2.9mg/L	EC <sub>50</sub> (48hr): 1.2-2.7mg/L (Daphnia magna)	EC <sub>50</sub> : 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 <sub>50</sub> (96h): 6.7 mg/L	EC <sub>50</sub> (24h): 3.7 mg/L Daphnia	EC <sub>50</sub> (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

## SECTION 16: OTHER INFORMATION

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