

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Heavy Duty Laundry Liquid (#1103)

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

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 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.

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 ³ , 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: Blue liquid

Odour: Lemon

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 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

SECTION 16: OTHER INFORMATION

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