

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Liquid Car Wash

Other means of identification: ENV-201

Recommended use: Foaming Car Wash Cleaner

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

Serious eye damage/irritation

Category 1

Signal word Danger



Hazard statements

Causes serious eye damage.

Precautionary statements

Prevention Wear eye and face protection.

Response 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
Sodium hydroxide	1310-73-2	1-5
alkyl benzenesulfonic acid	68584-22-5	10-20
Lauryl alcohol ethylene oxide	9002-92-0	5-10
Sodium laureth sulphate	68891-38-3	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: Rinse mouth with water. If irritation occurs, seek medical attention.

IF ON SKIN (or hair): Wash with plenty of soap and water. If skin irritation occurs, seek medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so.

IF exposed or concerned: Get medical advice/attention.

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.

Unsuitable extinguishing media: None

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: Oxides or terpene, carbon monoxide and carbon dioxide in case of fire.

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

Storage Requirements: Store locked up. Store in a dry, well ventilated place. Store away from direct sunlight and heat. Do not allow to freeze. Store in original container with closed lid, away from incompatible materials such as strong acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Sodium hydroxide	2 mg/m ³ Ceiling	2 mg/m ³ Ceiling	10 mg/m ³ Ceiling
Alkyl benzenesulfonic acid	Not available	Not available	Not available
Lauryl alcohol ethylene oxide	Not available	Not available	Not available
Sodium laureth sulphate	Not available	Not available	Not available

Gloves: Not required under regular use, though it is good practice to wear chemical resistant gloves.

Respirator: NIOSH or MSHA approved self-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, boots and rubber apron.

Other (Specify): Footwear – Rubber boots. An eye wash and safety shower should be nearby.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Fluorescent coral liquid

Odour: Cherry

Odour Threshold (ppm): Information not available

pH: 8.5

Melting point/Freezing Point: Not available

Initial Boiling Point/Range: 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): Not available

Vapour Density (air = 1): >1 (Heavier than air)

Relative density: Information not available

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

Reactivity: Not reactive

Chemical Stability: Stable

Hazardous Polymerization: Will not occur.

Materials to Avoid: Harsh chemical substances such as strong acids or oxidizing agents.

Conditions to avoid: None

Hazardous Decomposition Products: Oxides or terpene, carbon monoxide and carbon dioxide in case of fire.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Sodium hydroxide	400	1350	Not available
Alkyl benzenesulfonic acid	1250	>2000	Not available
Lauryl alcohol ethylene oxide	4150	72000	8600
Sodium laureth sulphate	>2000	>2000	Not available

EFFECTS OF ACUTE EXPOSURE:

Ingestion: Ingestions of large amounts may cause nausea, headaches, vomiting and diarrhoea.

Skin Contact: Prolonged contact may cause irritation and dryness.

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 5915 mg/kg

Dermal: LD50 62,242 mg/kg

Inhalation: LC50 551 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Sodium hydroxide	LC ₅₀ (96h): 1149 mg/L	Not available	Not available
Alkyl benzenesulfonic acid	LC ₅₀ (96h): 1.67 mg/L	EC ₅₀ (48h): 2.4 mg/L	EC ₅₀ (72h): 47.3 mg/L
Lauryl alcohol ethylene oxide	LC ₅₀ (96h): 1400 µg/L	LC ₅₀ (48h): >6460 µg/L	Not available
Sodium laureth sulphate	LC ₅₀ (96h): 7.1 mg/L	EC ₅₀ (48h): 7.4 mg/L	EC ₅₀ (72h): 27.7 mg/L



Persistence and Degradability: Expected to be >50% biodegradable.

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 regulated

UN Number: Not regulated

Packing Group: Not regulated

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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