

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Stain-Zyme

Other means of identification: ENV-1104

Recommended use: Stain remover

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

Flammable liquid	Category 4
Skin corrosion/irritation	Category 3
Eye damage/irritation	Category 1
Respiratory sensitization	Category 1

Signal word Danger



Hazard statements

Combustible liquid

Causes mild skin irritation.

Causes serious eye damage.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements

Prevention Keep away from heat, hot surfaces, open flames, sparks and other ignition sources. No smoking.

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

Avoid breathing mist, vapours or spray.

In case of inadequate ventilation wear respiratory protection.

- Response** In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
 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.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.
- Storage** Store in a well-ventilated place. Keep cool.
- Disposal** Dispose of in accordance with local regulations at government approved waste sites.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

The following ingredients have hazardous properties:

Ingredient	CAS #	% by weight
Sodium cumenesulfonate	28348-53-0	1 - 10
Alcohol C12-16 ethoxylate	68551-12-2	1 - 10
Propylene glycol	57-55-6	1 - 10
Ethanol	64-17-5	1 - 10
Lauryl glucoside	68515-73-1	1 - 10
Protease	9014-01-1	1 - 10
Lipase	9001-62-1	<1

This product is a consumer product and therefore an SDS is not required. This SDS fully discloses any health and safety hazards but limits the disclosure of ingredient ranges for proprietary reasons.

SECTION 4: FIRST AID MEASURES

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. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician.

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: Combustible liquid

Suitable extinguishing media: Dry sand, dry chemical or alcohol-resistant foam to extinguish

Unsuitable extinguishing media: None

Flashpoint: 66°C

Special Fire Fighting Procedures: Use water spray to keep containers cool. Fire fighters should wear self-contained breathing apparatus and full protective clothing.

Hazardous Combustion Products: Carbon monoxide and dioxide

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 put into dot approved containers. A full face-pipe air purifying respirator equipped for organic vapours may be satisfactory in case of small spills.

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Handle in accordance with good industrial hygiene.

Storage Requirements: Store locked up. Store in a dry area and keep from freezing.

*****KEEP OUT OF REACH OF CHILDREN*****

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Sodium cumenesulfonate	Not listed	Not listed	Not listed
Alcohol C12-16 ethoxylate	Not listed	Not listed	Not listed
Propylene glycol	Not listed	Not listed	Not listed
Ethanol	1000ppm STEL	1000ppm TWA	3300ppm
Lauryl glucoside	Not listed	Not listed	Not listed
Protease	Ceiling: 0.00006 mg/m ³ TLV	Not listed	Not listed
Lipase	Not listed	Not listed	Not listed

Gloves: Wear protective gloves.

Respirator: Under normal use, none required.

Eye: Safety glasses, if handling large amounts and if there is significant probability of splashes.

Footwear: Under normal use, none required.

Clothing: Under normal use, none required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Transparent liquid

Odour: Unscented

Odour Threshold (ppm): Information not available

pH: 8.5-9.0

Melting point/Freezing Point: Information not available

Initial Boiling Point/Range: Information not available

Flash point: 66°C

Evaporation Rate: Information not available

Flammability: Information not available

Upper/lower flammability/explosive limit: Information not available

Vapour Pressure (mmHg): Information not available

Vapour Density (air = 1): Information not available

Relative density: 1040g/L

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: Strong acids. Strong oxidizing agents such as bleach, halogens and vinyl chloride.
Hazardous Decomposition Products: Oxides of 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 cumenesulfonate	>7000	>2000	Not listed
Alcohol C12-16 ethoxylate	>1700	Not listed	Not listed
Propylene Glycol	20000	20800	Not available
Ethanol	7060	20000	31623
Lauryl glucoside	2000	5000	Not available
Protease	Not listed	0.8	Not listed
Lipase	Not listed	Not listed	Not listed

EFFECTS OF ACUTE EXPOSURE:

Skin Contact: Causes mild skin irritation.
Eye Contact: Causes serious eye damage.
Ingestion: May cause nausea, vomiting, and gastrointestinal irritation and diarrhoea.
Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity: Not available
Carcinogenicity: Not available
Reproductive toxicity: Not available
STOT single exposure: Not available
STOT repeated exposure: Not available
Aspiration hazard: Not available

Routes of exposure: ingestion, skin/eye exposure

EFFECTS OF CHRONIC EXPOSURE:

Skin Contact: Not known.
Eye Contact: Not known.
Ingestion: Not known

Numerical measure of toxicity:

Oral: LD50 75,088 mg/kg
Dermal: LD50 187,333 mg/kg



Inhalation: LC50 512 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: ingredient toxicity values with regards to the environment

Ingredient	fish	crustaceans	algae
Sodium cumenesulfonate	LC ₅₀ (96h): >450 mg/L	EC ₅₀ (48h): >450 mg/L (Daphnia)	EC ₅₀ (72h): >1000 mg/L
Alcohols C12-16 ethoxylate	LC ₅₀ (96h): 2.6-2.9 mg/L	EC ₅₀ (48h): 1.2-2.7 mg/L	EC ₅₀ (72h): 0.64-1.3 mg/L
Propylene glycol	LC ₅₀ (96h): 52,930 mg/L	EC ₅₀ (48h): >10,000 mg/L	Not available
Ethanol	LC ₅₀ (96h): 13400-15100 mg/L	Not available	Not available
Lauryl glucoside	Not available	Not available	Not available
Protease	LC ₅₀ : 8.2 mg/L (96 h)	Not available	NOEC (72h): 0.041 mg/L
Lipase	Not available	Not available	Not available

Persistence and Degradability: Biodegradable.

Bioaccumulation/Accumulation: No information available.

Mobility: No information available.

Other adverse effects: No information available.

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 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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