

# 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](http://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 <sup>3</sup> 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 <sub>50</sub> (96h): >450 mg/L	EC <sub>50</sub> (48h): >450 mg/L (Daphnia)	EC <sub>50</sub> (72h): >1000 mg/L
Alcohols C12-16 ethoxylate	LC <sub>50</sub> (96h): 2.6-2.9 mg/L	EC <sub>50</sub> (48h): 1.2-2.7 mg/L	EC <sub>50</sub> (72h): 0.64-1.3 mg/L
Propylene glycol	LC <sub>50</sub> (96h): 52,930 mg/L	EC <sub>50</sub> (48h): >10,000 mg/L	Not available
Ethanol	LC <sub>50</sub> (96h): 13400-15100 mg/L	Not available	Not available
Lauryl glucoside	Not available	Not available	Not available
Protease	LC <sub>50</sub> : 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

**Date of latest revision:** April 30, 2019

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