

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Liquid Odour Counteractant

Other means of identification: ENV-103

Recommended use: Air freshener

Restrictions on use: Intended for industrial use

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 liquids	Category 3
Eye damage/irritation	Category 2
Skin corrosion/irritation	Category 3
STOT single exposure	Category 2

Signal word Warning



Hazard statements

Flammable liquid and vapour.

Causes serious eye irritation.

Causes mild skin irritation.

May cause damage to the optic nerve.

Precautionary statements

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

Wash hands thoroughly after handling.

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

Do not eat, drink or smoke when using this product.

	Do not breathe mists, vapours or spray.
Response	If exposed or concerned: Call a POISON CENTER/doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. 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. If eye irritation persists: Get medical advice/attention.
Storage	In case of fire: Use CO ₂ , powder or water spray.
Disposal	Store in a well-ventilated place. 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:

Chemical Name	CAS #	% by weight
Ethanol	64-17-5	4-9
Alcohols, C9-11 ethoxylated	68439-46-3	<3

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: If discomfort or symptoms occur, seek medical attention.

IF ON SKIN (or hair): Take off all contaminated clothing. Rinse skin with water or shower. If irritation persists, seek medical attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. If irritation persists, seek medical 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: Flammable liquid and vapour.

Suitable extinguishing media: Use CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media: None

Flashpoint: ~50°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: May release carbon monoxide, carbon dioxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum

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 in a cool, dry, well-ventilated area. Keep away from heat, hot surfaces, open flames, sparks and other ignition sources. No smoking. Do not allow to freeze. Store in original container with closed lid, away from incompatible materials.

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Ethanol	1000 ppm	1000 ppm	Not available
Alcohols, C9-11 ethoxylated	Not available	Not available	Not available

Gloves: Chemical resistant gloves.

Respirator: NIOSH or MSHA approved self-breathing apparatus in high vapour concentrations. Not required under normal usage.

Engineering measures: Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

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

Clothing: Rubber gloves, boots and rubber apron.

Other (Specify): An eye wash and safety shower should be nearby.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Odour: Perfumed

Odour Threshold (ppm): Information not available

pH: 6.5-8

Melting point/Freezing Point: Information not available

Initial Boiling Point/Range: Information not available

Flash point: 23°C

Evaporation Rate: Information not available

Flammability: Flammable

Upper/lower flammability/explosive limit: Information not available

Vapour Pressure (mmHg): Information not available

Vapour Density (air = 1): <1

Relative density: 0.905-0.920

Solubility in Water: Miscible

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: Avoid freezing and extreme heat conditions.
Conditions to avoid: None
Hazardous Decomposition Products: May release carbon monoxide, carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Ethanol	7060	20000	31623
Alcohols, C9-11 ethoxylated	>2000	>2000	--

EFFECTS OF ACUTE EXPOSURE:

Ingestion: May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
Skin Contact: May cause mild skin irritation.
Eye Contact: Causes serious eye irritation.
Inhalation: Formation of mists may cause irritation to the upper respiratory tract.

Germ cell mutagenicity: Not applicable

Carcinogenicity: Ethanol contains a small amount of 2-Propanol. IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Propanol)

Reproductive toxicity: Not applicable

STOT single exposure: May cause damage to the optic nerve.

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 135,922 mg/kg

Dermal: LD50 194,175 mg/kg

Inhalation: LC50 314 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Ethanol	Not available	Not available	Not available
Alcohols, C9-11 ethoxylated	LC ₅₀ (96h): 5-10 mg/L	EC ₅₀ (48h): 5-10 mg/L	EC ₅₀ (72h): 10-100 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 regulated

UN Number: Not regulated

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. No safety, health, or environmental regulations specific to this product are known.

SECTION 16: OTHER INFORMATION

Date of latest revision: March 20, 2019

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