

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Gum & Tar Remover ENV-413

Recommended use: removes gum, oil, grime, adhesives, paint, grease, tar, asphalt, shoe polish, pen ink

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

CONCENTRATE HAZARDS:

Hazard classification

Flammable liquids	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/irritation	Category 2
Skin sensitization	Category 1

Signal word Warning



Hazard statements

Combustible liquid.

Causes skin irritation.

Causes eye irritation.

May cause an allergic skin reaction.

Precautionary statements

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

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

Contaminated work clothing should not be allowed out of the workplace.

Response	Avoid breathing mist, vapours or spray. In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. IF ON SKIN (or hair): Wash with plenty of soap and water. Take off contaminated clothing and wash it 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. If eye irritation persists: Get medical advice/attention.
Storage	Store in a well-ventilated place.
Disposal	Dispose of in accordance with local regulations at government approved waste sites.

SECTION 3: COMPOSITION

The following ingredients have hazardous properties:

Ingredient	CAS #	% by weight
Soy methyl ester LV	67784-80-9	80-90
D'Limonene	5989-27-5	5-10
Glycol ether EB	111-76-2	1-5
Alcohols, C9-11 ethoxylated	68439-46-3	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 symptoms or discomfort persists, seek medical attention.

IF ON SKIN (or hair): Wash with plenty of soap and water. Take off immediately all 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. If eye irritation persists: Get medical advice/attention.

IF exposed or concerned: Get medical advice/attention if you feel unwell.

SECTION 5: FIRE FIGHTING MEASURES

Flammable: Combustible liquid

Means of Extinction: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Flashpoint: 82.5°C

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

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. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

SECTION 7: HANDLING AND STORAGE

Handling Procedures and Equipment: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge.

Storage Requirements: Store locked up. Store in a dry, cool, well-ventilated area between 5°C to 20°C and away from direct sunlight. Store in original container with closed lid, away from incompatible materials such as strong oxidizing agents. Avoid food contamination.

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Soy methyl ester LV	Not available	Not available	Not available
D’Limonene	Not available	Not available	Not available
Glycol ether EB	TLV 20ppm / 96mg/m ³	PEL 25ppm / 120mg/m ³ (skin)	Not available
Alcohols, C9-11 ethoxylated	Not available	Not available	Not available

Gloves: Wear protective gloves

Respirator: Not required for regular use

Eye: Wear eye protection

Footwear: Not required for regular use

Clothing: Wear protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: colourless liquid

Odour: citrus scent

Odour Threshold (ppm): Information not available

pH: 5.0

Freezing Point: Information not available

Initial Boiling Point/Range: Information not available

Flash point: 82.5°C

Evaporation Rate: Information not available

Flammability: Combustible liquid

Upper/lower flammability/explosive limit: Information not available

Vapour Pressure (mmHg): 1.2 at 20°C

Vapour Density (air = 1): Information not available

Relative density: Information not available

Solubility in Water: Insoluble/emulsifies
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: Harsh chemical substances such as strong acids or oxidizing agents.
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)
Soy methyl ester LV	10000	10000	Not available
D'Limonene	4400	>5000	Not available
Glycol ether EB	470	400	486
Alcohols, C9-11 ethoxylated	>2000	>2000	Not available

EFFECTS OF ACUTE EXPOSURE:

Ingestion: May cause gastrointestinal discomfort and irritation.
Skin Contact: Causes skin irritation.
Eye Contact: Causes eye irritation.
Inhalation: Irritating to the nose, throat and respiratory tract. May cause coughing, headaches, vomiting or nausea.

Germ cell mutagenicity: Not applicable

Carcinogenicity: D-limonene (citrus terpene) is listed as an IARC Group 3 carcinogen: not classifiable as to its carcinogenicity in humans

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 7,596 mg/kg

Dermal: LD50 9,357 mg/kg
Inhalation: LC50 46,250 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Soy methyl ester LV	LC ₅₀ (96h): >1000 mg/L	EC ₅₀ (48h): 800-5243 mg/L	Not available
D' Limonene	LC ₅₀ (96h): 0.619 - 0.796 mg/L (Pimephales promelas)	LC ₅₀ (48h): 0.577 mg/L (Daphnia magna)	Not available
Glycol ether EB	LC ₅₀ (96h): 1490 mg/L (Lepomis macrochirus)	EC ₅₀ (24h): 1700mg/L (Daphnia magna)	EC ₅₀ : 720 mg/L (Pseudokirchnerella subcapitata)
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: Expected to be >50% biodegradable.

Bioaccumulation/Accumulation: No information available.

Mobility: No information available.

Other adverse effects: Very toxic to aquatic life with long lasting effects.

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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