

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Spot Clean (#1104)

Recommended use: Degreasing compound stain remover for auto grease, make-up marks, inks, food stains, blood and coffee stains.

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.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

In Transit: 1-613-996-6666 or *666 on cellular phone (CANUTEC)

Poison Control: 1-866-454-1212 (Saskatchewan)

SECTION 2: HAZARD IDENTIFICATION

Hazard classification

Skin corrosion/irritation	Category 3
Serious eye damage/irritation	Category 1
Skin sensitization	Category 1
Reproductive toxicity	Category 2

Signal word Danger



Hazard statements

Flammable liquid and vapour.
May be harmful if swallowed.
Causes mild skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.

Precautionary statements

Prevention Wear protective gloves/protective clothing/eye protection/face protection.
Contaminated work clothing should not be allowed out of the workplace.

	Obtain special instructions before use.
	Do not handle until all safety precautions have been read and understood.
Response	IF ON SKIN: Wash with plenty of soap and water. Take off 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. Continue rinsing. Immediately call a poison centre/doctor. IF exposed or concerned: Get medical advice/attention.
Storage	Store locked up.
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
Lauryl alcohol ethylene oxide	9002-92-0	5-10
Ethylene Glycol Monobutyl Ether	111-76-2	5-10
Sodium Xylene Sulfonate	1300-72-7	1-5
Citrus terpenes	5989-27-5	1-5
Ethoxylated dodecyl mercaptan	9004-83-5	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

Skin Contact: May cause irritation with redness and pain. Prolonged or repeated contact may cause defatting and drying of the skin.

Eye Contact: Vapour will irritate eyes. Liquids and mists will irritate and may damage eyes, causing corneal injury.

Inhalation: Irritating to the nose, throat and respiratory tract. May cause coughing. May cause headache.

Ingestion: May cause headache, dizziness, nausea, vomiting, or gastrointestinal irritation.

SECTION 5: FIRE FIGHTING MEASURES

Flammable: No

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

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures: This product may be absorbed with the help of clay or mineral absorbents. Do not use sawdust. Collect the absorbed material and place it in a suitable DOT Approved waste container.

SECTION 7: HANDLING AND STORAGE

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

Storage Requirements: Keep this product in properly labelled, tightly closed containers. Store in a cool, well ventilated area, away from sources of ignition.

SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Lauryl alcohol ethylene oxide	Not available	Not available	Not available
Ethylene Glycol Monobutyl Ether	20ppm / 96mg/m ³ TLV	25ppm / 120mg/m ³ PEL	Not available
Sodium Xylene Sulfonate	Not available	Not available	Not available
Citrus terpenes	111 mg/m ³ TWA	Not available	Not available
Ethoxylated dodecyl mercaptan	Not available	Not available	Not available

Gloves: wear protective gloves

Respirator: not required for regular use

Eye: Chemical goggles are recommended. Contact lenses should not be worn.

Footwear: Rubber boots are recommended

Clothing: Impervious clothing such as long sleeved shirt and trousers are recommended

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: colourless liquid

Odour: citrus scent

Odour Threshold (ppm): Information not available

pH: 9.9

Freezing Point: Information not available

Initial Boiling Point/Range: Information not available

Flash point: Information not available

Evaporation Rate: Information not available

Flammability: Combustible liquid

Upper/lower flammability/explosive limit: Information not available

Vapour Pressure (mmHg): Information not available

Vapour Density (air = 1): Information not available

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

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 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)
Lauryl alcohol ethylene oxide	4150	72000	8600
Ethylene Glycol Monobutyl Ether	880	1060	925
Sodium Xylene Sulfonate	7200	2000	Not available
Citrus terpenes	4400	5000	Not available
Ethoxylated dodecyl mercaptan	Not available	Not available	Not available

EFFECTS OF ACUTE EXPOSURE:

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

Skin Contact: Causes mild skin irritation.

Eye Contact: Causes serious eye damage.

Inhalation: 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: D-limonene (citrus terpene) may cause reproductive effects based on studies in lab animals at high doses

STOT single exposure: Not applicable

STOT repeated exposure: Not applicable

Aspiration hazard: Poses aspiration hazard. May be fatal if swallowed and enters airways.

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 10,728 mg/kg

Dermal: LD50 14,011 mg/kg

Inhalation: LC50 14,027 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Lauryl alcohol ethylene oxide	LC50 1.4 mg/L, 96h	EC50 >1 mg/L, 48h	Not Established
Ethylene Glycol Monobutyl Ether	LC50 1490 mg/L, 96h	EC50 1700 mg/L, 48h	EC50 720 mg/L
Sodium Xylene Sulfonate	Not Established	Not Established	Not Established
Citrus terpenes	LC50 0.72 mg/L, 96h	EC50 0.36 mg/L, 48h	Not Established
Ethoxylated dodecyl mercaptan	Not Established	Not Established	Not Established

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 Applicable.

UN Number: Not Applicable.

Packing Group: Not Applicable.

Note: No additional remark.

Marine Pollutant: None

DOT (US):

DOT Shipping Name: Not Regulated.

DOT Hazardous Class: Not Applicable.

DOT UN Number: Not Applicable.

DOT Packing Group: Not Applicable.

DOT Reportable Quantity (lbs): Not Available.

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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