

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**Product name:** Citrus Solv (#207)

**Recommended use:** Parts cleaner, engine degreaser and grease cutter.

**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](http://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.

<b>Response</b>	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.
<b>Storage</b>	Store in a well-ventilated place.
<b>Disposal</b>	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 <sup>3</sup>	PEL 25ppm / 120mg/m <sup>3</sup> (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:** Not applicable

**Freezing Point:** -96°C

**Initial Boiling Point/Range:** 176°C

**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 <sub>50</sub> (96h): >1000 mg/L	EC <sub>50</sub> (48h): 800-5243 mg/L	Not available
D' Limonene	LC <sub>50</sub> (96h): 0.619 - 0.796 mg/L (Pimephales promelas)	LC <sub>50</sub> (48h): 0.577 mg/L (Daphnia magna)	Not available
Glycol ether EB	LC <sub>50</sub> (96h): 1490 mg/L (Lepomis macrochirus)	EC <sub>50</sub> (24h): 1700mg/L (Daphnia magna)	EC <sub>50</sub> : 720 mg/L (Pseudokirchnerella subcapitata)
Alcohols, C9-11 ethoxylated	LC <sub>50</sub> (96h): 5-10 mg/L	EC <sub>50</sub> (48h): 5-10 mg/L	EC <sub>50</sub> (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

### **Disclaimer – Notice to Reader**

EnviroWay Detergent Manufacturing Incorporated, expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, EnviroWay makes no representations as to its accuracy or sufficiency. Conditions of use are beyond EnviroWay's control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.