

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**Product name:** Sany Kleen (#501)

**Recommended use:** Germicidal Detergent (Sanitizes and Deodorizes).

**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

### Hazard classification

Acute toxicity (oral)	Category 4
Serious eye damage/irritation	Category 1
Skin sensitization	Category 1
Respiratory sensitization	Category 1
Reproductive toxicity	Category 1

**Signal word**    Danger



### Hazard statements

Harmful if swallowed.

Causes serious eye damage.

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May damage fertility or the unborn child.

### Precautionary statements

**Prevention**    Wash thoroughly after handling.  
Do not eat drink or smoke when using this product.  
Wear protective gloves/protective clothing/eye protection/face protection.

	Contaminated work clothing should not be allowed out of the workplace. Avoid breathing fume/mist/vapours/spray. In case of inadequate ventilation wear respiratory protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
<b>Response</b>	IF SWALLOWED: Rinse mouth. Call a POISON CENTRE/doctor if you feel unwell. 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 INHALED: remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE/doctor. IF exposed or concerned: Get medical advice/attention.
<b>Storage</b>	Store locked up.
<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
Lauryl alcohol ethylene oxide	9002-92-0	5-10
Sodium Sesquicarbonate	533-96-0	1-5
Tetrasodium EDTA	64-02-8	<1
Citrus terpenes	5989-27-5	<1

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. Call a POISON CENTRE/doctor if you feel unwell..
- 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 if you feel unwell.

### 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:**

**In case of small spill:** Dilute with water and mop up if water-soluble or absorb with an inert dry material and flush with water to sewer system. Floors may be slippery.

**In case of large spill:** Absorb with the help of clay or mineral absorbents. Flush area with water. Collect the absorbed material and place it in a suitable DOT Approved waste container. Dispose of accordance to federal, provincial and local regulations.

## SECTION 7: HANDLING AND STORAGE

**Handling Procedures and Equipment:** Wear eye and skin protection. Wash hands after handling.

**Storage Requirements:** Store in closed containers in cool, dry area. Keep away from freezing and extreme heat. Always obey hazard warnings and empty containers as if they were full.

**\*\*\*KEEP OUT OF REACH OF CHILDREN\*\*\***

## SECTION 8: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Lauryl alcohol ethylene oxide	Not available	Not available	Not available
Sodium Sesquicarbonate	Not available	Not available	Not available
Tetrasodium EDTA	Not available	Not available	Not available
Citrus terpenes	111 mg/m3 TWA	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:** 10.4

**Freezing Point:** Information not available

**Initial Boiling Point/Range:** Information not available

**Flash point:** Information not available

**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:** 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:** Not known

**Materials to Avoid:** Harsh chemical substances such as strong acids.

**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
Sodium Sesquicarbonate	>2000	Not available	Not available
Tetrasodium EDTA	Not available	Not available	Not available
Citrus terpenes	4400	5000	Not available

### EFFECTS OF ACUTE EXPOSURE:

**Ingestion:** Burning of mouth, throat, abdomen, severe swelling of larynx

**Skin Contact:** May cause skin irritation.

**Eye Contact:** Causes serious eye damage.

**Inhalation:** Irritation to mucous membranes, coughing.

**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 1995 mg/kg

**Dermal:** LD50 76,279 mg/kg

**Inhalation:** LC50 21 mg/L

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Lauryl alcohol ethylene oxide	LC50 1.4 mg/l, 96h	EC50 >6460 mg/L, 48h	Not available
Sodium Sesquicarbonate	Not available	Not available	Not available
Tetrasodium EDTA	LC50 (96 h) > 500 mg/l, Leuciscusidus	EC50 (48 h) > 100 mg/l	Not available
Citrus terpenes	LC50 0.72 mg/L, 96h	EC50 0.36 mg/L, 48h	Not available

**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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