

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Sany Kleen Plus

Other means of identification: ENV-502

Other means of identification: Not applicable

Recommended use: Concentrated disinfectant cleaner

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.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

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

SECTION 2: HAZARD IDENTIFICATION

Hazard classification

Acute toxicity (oral)	Category 4
Acute toxicity (inhalation)	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/irritation	Category 1
Skin sensitization	Category 1

Signal word Danger



Hazard statements

Harmful if swallowed.

Toxic if inhaled.

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

Precautionary statements

Prevention Wash thoroughly after handling.

Do not eat drink or smoke when using this product.
Wear protective gloves, protective clothing, eye protection, and face protection.
Contaminated work clothing should not be allowed out of the workplace.
Use only outdoors or in a well-ventilated area.
Avoid breathing mist, vapours or spray.

Response

Immediately call a POISON CENTRE/doctor.
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.
IF INHALED: remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Storage

Store locked up.
Store in a well-ventilated place. Keep container tightly closed.

Disposal

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
Alcohols C12-16 ethoxylate	68551-12-2	10-20
Sodium Sesquicarbonate	533-96-0	1-5
Tetrasodium EDTA	64-02-8	1-5
D'limonene	5989-27-5	1-5
Alkyl dimethyl benzyl ammonium chloride	68424-85-1	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. 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.

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: No

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

Unsuitable extinguishing media: None



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.

Hazardous Decomposition Products: Burning may lead to production of carbon monoxide, carbon dioxide, ammonia and possibly hydrogen chloride.

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: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Alcohols C12-16 ethoxylate	Not available	Not available	Not available
Sodium Sesquicarbonate	Not available	Not available	Not available
Tetrasodium EDTA	Not available	Not available	Not available
D'limonene	Not available	Not available	Not available
Alkyl dimethyl benzyl ammonium chloride	STEL, 1000 ppm	PEL, 1900 mg/m ³ , 1000 ppm	Not available

Gloves: Wear protective gloves.

Respirator: When exposure exceeds occupational exposure limits, use an appropriate NIOSH-approved respirator for organic vapours.

Eye: Safety glass should be worn while product is being handled.

Footwear: Not required for regular use

Clothing: Wear protective clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellow liquid

Odour: Citrus scent

Odour Threshold (ppm): Information not available

pH: 10.5

Melting point/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): <1

Relative density: 1.02

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: Strong acids.

Hazardous Decomposition Products: Burning may lead to production of carbon monoxide, carbon dioxide, ammonia and possibly hydrogen chloride.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingredient	LD50 oral (mg/kg) (rat)	LD50 dermal (mg/kg)	LC50 inhalation (mg/L)
Alcohols C12-16 ethoxylate	>1700	Not available	Not available
Sodium Sesquicarbonate	>2000	--	>5.03
Tetrasodium EDTA	Not available	Not available	Not available
D'limonene	4400	>5000	Not available
Alkyl dimethyl benzyl ammonium chloride	50	2000	0.51

EFFECTS OF ACUTE EXPOSURE:

Ingestion: Harmful if swallowed. May cause gastrointestinal discomfort and upset.

Skin Contact: May cause skin irritation. May cause an allergic skin reaction.

Eye Contact: Causes serious eye damage.

Inhalation: Generation of mist and fumes may cause irritation to the upper respiratory tract.

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 653 mg/kg

Dermal: LD50 11,803 mg/kg

Inhalation: LC50 6.89 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Alcohols C12-16 ethoxylate	LC ₅₀ (96h): 2.6-2.9mg/L	EC ₅₀ (48hr) 1.2-2.7mg/L (Daphnia magna)	EC ₅₀ : 0.64-1.3mg/L
Sodium Sesquicarbonate	Not available	Not available	Not available
Tetrasodium EDTA	LC ₅₀ (96 h): >500mg/L (Leuciscus idus)	EC ₅₀ (48h): >100mg/L	Not available
D'limonene	LC ₅₀ (96h): 0.619 - 0.796mg/L (Pimephales promelas)	Not available	Not available
Alkyl dimethyl benzyl ammonium chloride	Not available	Not available	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

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

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