

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Spray & Wipe

Other means of identification: ENV-329

Recommended use: All purpose cleaner and sanitizer

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.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

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

SECTION 2: HAZARD IDENTIFICATION

Hazard classification

Flammable liquids

Category 4

Signal word Warning

Hazard statements

Combustible liquid.

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.

Response In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Storage Store in a well-ventilated place.

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:

Ingredient	CAS #	% by weight
Isopropyl Alcohol	67-63-0	10-20

Ethylene Glycol Monobutyl Ether	111-76-2	1-5
alkyl dimethyl benzyl ammonium chloride c12-16	68424-85-1	<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: Get medical advice/attention if you feel unwell.

IF ON SKIN: If skin irritation 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 eye irritation persists: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If person is not breathing perform CPR.

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: Flammable liquid and vapour

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

Flashpoint: Expected to be < 60°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

Leak and Spill Procedures: Flush liquid to sewer with plenty of water if the spill is small. Large spills should be contained by kitting with soil or other non-combustible absorbent material and then pumped into dot approved containers. A full face-pipe air-purifying respirator equipped for organic vapours may be satisfactory in case of small spills.

SECTION 7: HANDLING AND STORAGE

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

Storage Requirements: Store in a dry and well ventilated place away from incompatible materials. Avoid contact with skin and eyes.

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Isopropyl Alcohol	400 ppm STEL	400 ppm TWA	Not available
Ethylene Glycol Monobutyl Ether	20ppm / 96mg/m3 TLV	25ppm / 120mg/m3 PEL	Not available
alkyl dimethyl benzyl ammonium chloride c12-16	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: pink liquid
Odour: alkaline scent
Odour Threshold (ppm): Information not available
pH: 10.4
Freezing Point: 0°C
Initial Boiling Point/Range: 100°C
Flashpoint: > 60°C
Evaporation Rate: 2.88
Flammability: Flammable liquid and vapour
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: Not known.
Hazardous Decomposition Products: Oxides, 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)
Isopropyl Alcohol	>5000	12800	72.6
Ethylene Glycol Monobutyl Ether	50	2000	.51
alkyl dimethyl benzyl ammonium chloride c12-16	880	1060	925

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 irritation.

Inhalation: May cause coughing, headaches, vomiting or nausea.

Germ cell mutagenicity: Not applicable

Carcinogenicity: Isopropanol 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 9532 mg/kg

Dermal: LD50 38,813 mg/kg

Inhalation: LC50 87 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Isopropyl Alcohol	LC50 9640 mg/L, 96h	EC50 7550 mg/L, 48h	Not available
Ethylene Glycol Monobutyl Ether	LC50 1490 mg/L, 96h	EC50 1700 mg/L, 48h	EC50 720 mg/L
alkyl dimethyl benzyl ammonium chloride c12-16	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 regulated



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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