

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Rinse Aid (#1004)

Recommended use: Rinse agent for use in automatic dishwashers

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 2

Signal word Warning

Hazard statements

Causes mild skin irritation.

Causes serious eye irritation.

Precautionary statements

Prevention Wash thoroughly after handling.

Response 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.

SECTION 3: COMPOSITION

The following ingredients have hazardous properties:

Ingredient	CAS #	% by weight
Isopropyl Alcohol	67-63-0	10-20
Citric Acid	77-92-9	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: If large quantities are consumed, it may cause headache, dizziness, disorientation, nausea, vomiting and diarrhoea

IF ON SKIN: Wash thoroughly after handling. 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. If eye irritation persists: Get medical advice/attention.

IF exposed or concerned: Get medical advice/attention if you feel unwell.

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

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: Flush liquid to sewer with plenty of water, if the spill is small. Large spills should be contained by surrounding with soil or other non-combustible absorbent material and then pump into DOT approved containers.

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: PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Isopropyl Alcohol	Not available	Not available	Not available
Citric Acid	Not available	Not available	Not available

Gloves: not required with regular use, if large amounts being used, wear chemical resistant gloves

Respirator: not required for regular use

Eye: Safety glasses if handling large amounts and if there is significant probability of splashes.

Footwear: not required for regular use

Clothing: wear protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: blue liquid

Odour: mild scent

Odour Threshold (ppm): Information not available
pH: 4
Freezing Point: -5°C
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: Miscible
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 oxidizers
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
Citric Acid	3000	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 eye irritation.
Inhalation: May cause coughing, headaches, vomiting or nausea.

Germ cell mutagenicity: Not applicable
Carcinogenicity: Isopropyl Alcohol 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 98,360 mg/kg

Dermal: LD50 100,227 mg/kg

Inhalation: LC50 568 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Ingredient	Fish	Crustaceans	Algae
Isopropyl Alcohol	LC ₅₀ 9640 mg/L, 96h	EC ₅₀ 7550 mg/L, 48h	Not available
Citric Acid	LC ₅₀ : 440-706mg/L, 96h	Not available	Not available

Persistence and Degradability: Expected to be >50% biodegradable.

Bioaccumulation/Accumulation: No information available.

Mobility: No information available.

Other adverse effects: None known

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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