

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product name: Rinse Aid

Other means of identification: ENV-1004

Recommended use: Rinse agent for use in automatic dishwashers

Restrictions on use: None

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

Skin corrosion/irritation	Category 3
Serious eye damage/irritation	Category 2
Flammable liquid	Category 3

Signal word Warning



Hazard statements

Causes mild skin irritation.

Causes serious eye irritation.

Flammable liquid and vapour.

Precautionary statements

Prevention Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Wash thoroughly after handling.

Wear protective gloves, protective clothing, eye and face protection.

Response IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

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.

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

Storage Store in a well-ventilated place. Keep cool.

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
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.

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: Yes

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

Unsuitable extinguishing media: None

Flashpoint: 29°C - 40°C

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: Oxides, carbon monoxide and carbon dioxide in case of fire.

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: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	Exposure limit – ACGIH	Exposure limit – OSHA	Exposure limit – IDLH
Isopropyl Alcohol	(STEL)400 ppm	(TWA)400 ppm	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

Melting point/Freezing Point: -5°C

Initial Boiling Point/Range: 29°C - 40°C

Flash point: Information not available

Evaporation Rate: Information not available

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: 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 (96h): 9640 mg/L	EC ₅₀ (48h): 7550 mg/L	Not available
Citric Acid	LC ₅₀ (96h): 440-706 mg/L,	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: Flammable liquid, n.o.s. (isopropanol alcohol)

Hazard Class: 3

UN Number: UN1993

Packing Group: III

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

Date of latest revision: Sept 9, 2019

Disclaimer – Notice to Reader

EnviroWay, 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. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. 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.