



MATERIAL SAFETY DATA SHEET

HMIS:

Health- 1 Flammability- 0 Reactivity- 0 Pers. Protection- B

WHMIS: D 2 B

NFPA:

Health- 1 Flammability- 0 Reactivity- 0 Special Hazard- N

Section 1: Product and Company Identification

Product: After-Rinse Certi-Rinse
NILODOR, INC.

Synonyms: Certi-Rinse

10966 INDUSTRIAL PARKWAY NW
BOLIVAR, OHIO 44612, USA

Non-Emergency:
US 800-443-4321

24 hr Emergency Spill Information:
Chem-Tel, Inc.

International 010-330-874-1017

US, Canada: 800-255-3924. International:
1-813-248-0584

Section 2. Hazards Identification

EMERGENCY OVERVIEW

Appearance/Odor: Colorless liquid, mild clean scent

NOT Classified as hazardous by the criteria of NOHSC.

WARNING

Flammability : Not classified as flammable

Health Hazards Listed : Can irritate eyes and skin

Ecological Hazards Listed : None known

Potential Health Effects: See section 11 for more information.

Likely Routes of Exposure: Skin, eyes, mouth

Eye: Direct exposure can irritate

Skin: Prolonged or repeated exposure can irritate

Ingestion: Can cause digestive distress

Inhalation: Not likely to be a problem

Medical Conditions Aggravated By Exposure:

None known

Target Organs: None known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: (See section 12 for more information.)

None known

Section 3. Composition/Information on Ingredients

Component	CAS#	% by Weight	WHMIS Controlled
Citric Acid	77-92-9	3.5-5.5	Y
Trade Secret Encapsulating Polymer	NA	20-30	N

Trade Secret Fragrance Mixture	None	< 0.5	N
Preservative	NA (mixture)	<0.05	N
Water	7732-18-5	60-80	N

Section 4. First Aid Measures

Eye Contact:	Flush eyes with copious amounts of clean water, holding lids apart. If irritation persists, get medical attention.
Skin Contact:	Wash with soap and water.
Inhalation:	Remove to fresh air.
Ingestion:	Do not induce vomiting. If conscious, give water or milk to drink.
Note to Physicians:	Product is about as acid as typical gastric fluid.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media:	Water, foam, carbon dioxide, dry chemical.
Unsuitable Extinguishing Media:	None known.
Products of Combustion:	Oxides of carbon and nitrogen
Protection of Firefighters:	As for surrounding fire.

Section 6. Accidental Release Measures

Personal Precautions:	Keep away from skin and eyes.
Environmental Precautions:	Keep out of surface waters.
Methods for Containment:	Dike area with sand, clay or other suitable material.
Methods for Clean-Up:	Mop up with water or absorb on clay, sand or other suitable absorbent.
Other Information:	

Section 7. Handling and Storage

HANDLING

Do not open until ready to use.

STORAGE

Closed, original container at ambient temperature.

Section 8. Exposure Controls/Personal Protection

EXPOSURE GUIDELINES

COMPONENT:	TWA:	LD-50
Citric Acid	None established	11 700 mg/kg
Trade Secret Encapsulating Polymer	NA	NA
Trade Secret Fragrance Mixture	None established	Not determined
Preservative	NA	NA
Water	Not applicable	Not applicable

Engineering Controls: Not normally needed.

Eye/Face Protection: Protective goggles recommended if using large quantities.

Skin Protection: Rubber or other protective gloves recommended if using large quantities.

Respiratory Protection: Not normally necessary.

General Hygiene Considerations: Reasonable care. Keep out of beverages and food.

Section 9. Physical and Chemical Properties

Color: Colorless	Odor: Mild clean scent
Physical State: Liquid	Odor Treshhold:
pH: 2-4	Freezing Point: Not determined.

Evaporation Rate: Not determined.
Flash Point:
Upper Flammability Limit: Not determined.
Vapor Pressure: Not determined.
Vapor Density: Less than air.
Volatile Organic Compound (VOC),%weight:
Fragrance less than 0.1%

Boiling Point:
Flammability(solid,gas): Not applicable.
Lower Flammability Limit: Not determined.
Specific Gravity: 1.02-1.05
Auto-ignition Temperature: Not determined.
Solubility (water): Soluble.
Percent Volatile: 70 - 75% including water

Section 10. Stability and Reactivity

Stability: Stable
Conditions to Avoid: Exposure to alkalis
Incompatible Materials: Alkalis
Hazardous Decomposition Products: None known
Possibility of Hazardous Reactions: Will not occur

Section 11. Toxicology Information

ACCUTE EFFECTS

Oral LD50: Not determined for mixture. Weighted average more than 37 grams per kilogram.
Dermal LD50: Not considered toxic by skin contact. Weighted average more than 10 grams per kilogram.
Inhalation: Not toxic by inhalation. Weighted average more than 5 milligrams per liter.
Eye Irritation: Direct contact will irritate.
Skin Irritation: Prolonged or repeated contact can irritate.
Sensitization: None known.

CHRONIC EFFECTS

Carcinogenicity: None known.
Mutagenicity: None known.
Reproductive Effects: None known.
Developmental Effects: None known.

Section 12. Ecological Information

Ecotoxicity: None known.
Persistence/Degradability: Biodegradable.
Bioaccumulation/Accumulation: None known.
Mobility in Environment: Not determined.

Section 13. Disposal Considerations

Disposal: Dispose according to Federal, State or Provincial, and Local regulations.

Section 14. Transportation Information

US DOT (ground)
Proper Shipping Description: Not a Hazardous Material
CANADA TDG (ground)
Proper Shipping Description: Not a Dangerous Good
ICAO (air)
Proper Shipping Description: Not a Dangerous Good
IMDG (water)
Proper Shipping Description: Not a Dangerous Good

Section 15. Regulatory Information

Global Inventories

TSCA: United States	Included
DSL: Canada	Included
ECL: Korea	Not-Known
PICCS: Philippines	Not-Known
ENCS: Japan	Not-Known
AICS: Australia	Included
IECS: China	Not-Known
EINECS: European Union	Included

SARA 313 Information : Does not contain any SARA 313 substances

California Safe Drinking Water and Toxic Enforcement Act of 1986 :(Proposition 65)

Does not contain any Proposition 65 substances

WHMIS: Canadian Workplace Hazardous Material Information System

D 2 B

Section 16. Other Information

Legends:

NFPA, HMIS:

0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard

Prepared By: Technical Dept.

While we believe that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of tests conducted, the data are not to be taken as warranty or representation for which we assume legal responsibility. The information is offered solely for your consideration, investigation and verification. Any use of these data and information must be determined by the user to be in accordance with federal, state and local laws.