

SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: LOW TEMP RINSE PREMIUM ADDITIVE
Product Code: 400035

Other means of identification:

Product Description: Recommended Use: Institutional dish machine detergent
Uses advised against: No information available
Synonyms: LTRIN

Recommended use of the chemical and restrictions on use:

Chemical distributor, or other responsible party Name, address, and telephone number:

Distributor Name: North Woods
Address: 4415 S. Taylor Drive
Sheboygan, WI 53081
General Phone Number: 800-242-7694

Emergency phone number:

Emergency Phone Number: Infotrac (800) 535-5053
Website: www.northwoodstm.com

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

GHS Class: Classification:
This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

GHS Label elements, including precautionary statements:
Precautionary Statements:
Prevention: None
General Advice: None
Storage: None
Disposal: None

Hazard Not Otherwise Classified (HNOC): Not applicable

Other information:
No information available.

Hazards not otherwise classified that have been identified during the classification process:

Emergency Overview: Signal Word: None
The product contains no substances which at their given concentration are considered to be hazardous to health.

Appearance: Thin liquid
Physical State: Liquid.
Odor: No information available

Isopropyl alcohol

Route of Exposure: Inhalation, Eye Contact, Skin Contact, Ingestion

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name: Isopropyl alcohol
IARC: Group 3
OSHA: Yes

IARC: (International Agency for Research on Cancer)
Group 3: Not Classifiable as to its Carcinogenicity to Humans

Signs/Symptoms: Symptoms related to the physical, chemical and toxicological characteristics:
Symptoms: No information available.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Isopropyl alcohol	67-63-0	< 5% by weight	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.
Skin Contact:	Wash off with warm water and soap. Remove and wash contaminated clothing before reuse. If symptoms persist, call a physician.
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
Ingestion:	Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, seek medical attention.

Indication of immediate medical attention and special treatment needed:

Note to Physicians:	Treat symptomatically.
Notes :	Most important symptoms/effects, acute and delayed: Most Important Symptoms/Effects: No information available.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

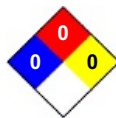
Suitable Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	Sensitivity to Mechanical Impact: None.

Special protective equipment and precautions for fire-fighters:

Protective Equipment:	Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Fire Fighting Instructions:	Specific Hazards Arising from the Chemical: No information available

NFPA Ratings:

NFPA Health:	0
NFPA Flammability:	0
NFPA Reactivity:	0



SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions:	Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material can cause surfaces to become very slippery.
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Environmental precautions:

Environmental Precautions:	Dispose of contents/container to an approved waste disposal plant.
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Methods and materials for containment and cleaning up:

Methods for containment:	Stop leak if you can do it without risk.
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SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling:	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.
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Hygiene Practices: Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities:

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Keep from freezing. Keep container closed when not in use.

Incompatible Products: Strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Appropriate engineering controls:

Engineering Controls: Showers
Eyewash stations
Ventilation systems

Individual protection measures:

Eye/Face Protection: Safety glasses with side-shields.

Skin Protection Description: Not usually necessary

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Liquid
Appearance: Thin liquid

Odor: No information available

Odor Threshold: No information available

Boiling Point: > 100 deg C / > 212 deg F
Remarks/ - Method: None known

Melting Point: No data available
Remarks/ - Method: None known

Density: Relative: No data available
Remarks/ - Method: None known

Specific Gravity: 1.019
Remarks/ - Method: None known

Solubility: Solubility in other solvents: No data available
Remarks/ - Method: None known

Vapor Density: No data available
Remarks/ - Method: None known

Vapor Pressure: No data available
Remarks/ - Method: None known

Evaporation Rate: No data available
Remarks/ - Method: None known

pH: 7.5
Remarks/ - Method: None known

Coefficient of Water/Oil Distribution: n-octanol/water: No data available
Remarks/ - Method: None known

Flash Point: No data available

Flash Point Method: Remarks/ - Method: None known

Lower Flammable/Explosive Limit: In Air: No data available

Upper Flammable/Explosive Limit: In Air: No data available

Auto Ignition Temperature: No data available
Remarks/ - Method: None known

Explosive Properties: No data available

Oxidizing Properties: No data available

VOC Content: (%): No data available

9.2. Other information:

Notes : Flammability (solid, gas): No data available
Remarks/ - Method: None known

Flammable Properties: Not flammable

SECTION 10 : STABILITY and REACTIVITY

Reactivity:

Reactivity: No data available.

Possibility of hazardous reactions:

None under normal processing.

Chemical Stability:

Chemical Stability: Stable under recommended storage conditions.

Conditions To Avoid:

Conditions to Avoid: Incompatible products.

Incompatible Materials:

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products:

Special Decomposition Products: None known based on information supplied.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Isopropyl alcohol:

Eye: Contact with eyes may cause irritation.

Skin: Prolonged skin contact may defat the skin and produce dermatitis.

Numerical measures of toxicity - Product:
The following values are calculated based on section 3 of the GHS document:
LD50 Dermal: 721969 mg/kg; Acute toxicity estimate

Inhalation: May cause irritation of respiratory tract.

Numerical measures of toxicity - Product:
The following values are calculated based on section 3 of the GHS document:
Inhalation:
dust/mist: 4094.9 mg/L; Acute toxicity estimate

Ingestion: May cause irritation.

Chemical Name: Trade Secret
LD50 Oral = 5700 mg/kg (Rat)

Numerical measures of toxicity - Product:
The following values are calculated based on section 3 of the GHS document:
LD50 Oral: 46032 mg/kg; Acute toxicity estimate

Sensitization: No information available.

Mutagenicity: No information available.

Reproductive Toxicity: No information available.

SECTION 12 : ECOLOGICAL INFORMATION

Isopropyl alcohol:

Ecotoxicity:

Ecotoxicity: The environmental impact of this product has not been fully investigated.

Chemical Name: Isopropyl alcohol
Toxicity to Algae:
EC50 96 h: > 1000 mg/L (Desmodesmus subspicatus)
EC50 72 h: > 1000 mg/L (Desmodesmus subspicatus)

Toxicity to Fish:
LC50 96 h: = 11130 mg/L static (Pimephales promelas)
LC50 96 h: = 9640 mg/L flow-through (Pimephales promelas)
LC50 96 h: > 1400000 µg/L (Lepomis macrochirus)

Daphnia Magna (Water Flea):
EC50 48 h: = 13299 mg/L (Daphnia magna)

Persistence and degradability:

Biodegradation: Persistence and Degradability: No information available.

Bioaccumulative potential:

Bioaccumulation: No information available.

Chemical Name: Isopropyl alcohol
Log Pow: 0.05

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Dispose of in accordance with federal, state, and local regulations

Contaminated Packaging: Do not re-use empty containers.

SECTION 14 : TRANSPORT INFORMATION

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 0
HMIS Fire Hazard: 0
HMIS Reactivity: 0
HMIS Personal Protection: X

Health Hazard	0
Fire Hazard	0
Reactivity	0
Personal Protection	X

SDS Revision Date: October 03, 2017

MSDS Revision Notes: Initial Release.Revision Number: 0

Disclaimer:

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