

SAFETY DATA SHEET

Revision Date: January 15, 2014

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SECTION 1: IDENTIFICATION

Product Identifier

Product Name: Lo Temp 31

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Rinse Additive for Dish Machines

Details of the Supplier of the Safety Data Sheet

Supplier Address: Luseaux Laboratories, Inc. Luseaux Laboratories Inc.
4625 N Santa Fe Drive or 16816 Gramercy Place
Kingman, AZ 86401 Gardena, CA 90247

Emergency Telephone Number

Company Phone Number: Arizona Location: 928-692-0192
California Location: 310-324-1555

Emergency Telephone: CHEMTREC: 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Classification

This product does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance: Blue Liquid

Physical State: Liquid

Odor: Mild

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Trade Secret*		Not identified*

*The specific percentages are not identified due to "Trade Secret" status. In emergency situations, further information may be obtained by calling the emergency information number listed above. Reference 29 CFR 1910.1200

SECTION 4: FIRST AID MEASURES

First Aid Measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin Contact For prolonged skin contact, flush thoroughly with water and then apply hand lotion to restore natural skin oil. If symptoms persist, seek medical attention.

Inhalation	Keep patient calm, remove to fresh air, seek medical attention. Assist in breathing if necessary.
Ingestion	Rinse mouth and then drink plenty of water, do not induce vomiting. Seek medical attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	Direct eye contact may cause stinging, tearing and redness. Contact may cause irritation and redness. Nausea. Abdominal discomfort. May cause diarrhea.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Treat symptomatically. Dermatitis or other pre-existing skin conditions may be aggravated by overexposure to this product.
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SECTION 5: FIRE-FIGHTING MEASURES
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Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: Not determined.

Specific Hazards Arising from the Chemical

This material will make floors slippery when wet.

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Use personal protection recommended in Section 8. Wet floors will be very slippery.

Environmental Precautions Prevent run off to storm sewers and ditches leading to natural waterways.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Dike and contain spill.

Methods for Cleaning Up: Wash small spills to sanitary sewer. Recover free liquid. Absorb with inert material, and then place in suitable container for chemical waste.

SECTION 7: HANDLING AND STORAGE
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Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice.

Conditions for Safe Storage, Including and Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from food stuffs.

Incompatible Materials: None known.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

No occupational exposure limits determined

Appropriate Engineering Controls

Engineering Controls Apply technical measures to comply with occupational exposure limits.

Individual Protections Measures, such as Personal Protective Equipment

Eye/Face Protection: Risk of contact: Wear approved safety goggles.

Skin and Body Protection: Rubber or vinyl gloves for sensitive individuals.

Respiratory Protection: No protective equipment is needed under normal use conditions.

General Hygiene Considerations: Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
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Information and Basic Physical and Chemical Properties

Physical State: Liquid

Odor: Mild

Appearance: Blue liquid

Color: Blue

Odor Threshold: Not determined

PROPERTY	VALUE	PROPERTY	VALUE
pH – 1% solution	7.0 to 8.0	Melting/freezing point	Unknown
Boiling point	103 °F	Flash Point	Not flammable
Evaporation rate	unknown	Flammability	Not flammable
Flammability limits/air	Not applicable	Vapor pressure	16 mg Hg @ 20°C
Vapor density	0.62	Specific gravity	1.00
Water solubility	Miscible in all portions	Solubility in other solvents	Not determined
Partition coefficient	Not determined	Auto-ignition temp	Not determined
Decomposition temp	Not determined	Kinematic viscosity	Not determined
Dynamic viscosity	Not determined	Explosive properties	Not determined
Oxidizing properties	Not determined	Bulk density	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Will not occur

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Strong oxidizing agents

Hazardous Decomposition Products

Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur.

SECTION 11: TOXICOLOGICAL INFORMATION
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Information on Likely Routes of Exposure**Product Information**

Eye Contact	Avoid contact with eyes.
Skin Contact	Not a primary skin irritant.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Ingestion	Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Trade Secret*	Not tested	Not tested	Not tested-

*The specific components are not identified due to "Trade Secret" status. In emergency situations, further information may be obtained by calling the emergency information number listed above.

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

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

Numerical Measures of Toxicity-Product

Not determined

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Trade Secret	10 – 100: 72 h green algae mg/l EC50	> 100: 48 h Daphnia magna mg/l EC50		

Persistence and Degradability Readily biodegradable

Bioaccumulation Not determined

Mobility Not determined

Other Adverse Effects Not determined

SECTION 13: DISPOSAL CONSIDERATIONS
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Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: TRANSPORT INFORMATION
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Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

SECTION 15: REGULATORY INFORMATION

International Inventories**Legend:**

TCSA – United States Toxic Substances Act Section 8(b) inventory

US Federal Regulations**SARA 313**

Not determined

US State Regulations

Calif. Prop. 65 Warning: This product may contain a trace amount of one or more of the chemicals on the California list of known carcinogens or substances known to cause birth defects or other reproductive harm. These are not added to the product but occur naturally in the raw materials or processing equipment.

U.S. State Right-to-Know-Regulations

SECTION 16: OTHER INFORMATION				
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<u>NFPA</u>	Health Hazards 1	Flammability 0	Instability 0	Special Hazards None
<u>HMS</u>	Health Hazards Not determined	Flammability Not determined	Physical Hazards Not determined	Personal Protection Not determined

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF SAFETY DATA SHEET