

Revision Date: April 16, 2014

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**SECTION 1: IDENTIFICATION**

**Product Identifier**

**Product Name:** LT 310

**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 Secrets* |        | 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.

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

**Most Important Symptoms and Effects, both Acute and Delayed**

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Direct eye contact may cause stinging, tearing and redness. Contact may cause irritation and redness. Nausea. Abdominal discomfort. May cause diarrhea. |
|-----------------|---|

**Indication of any Immediate Medical Attention and Special Treatment Needed**

|                           |  |
|---------------------------|--|
| <b>Note to Physicians</b> | Treat symptomatically. Dermatitis or other pre-existing skin conditions may be aggravated by overexposure to this product. |
|---------------------------|--|

**SECTION 5: FIRE-FIGHTING MEASURES**

**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**

**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**

**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        | 5.0 to 6.0              | Melting/freezing point       | Unknown         |
| Boiling point           | 225 °F                  | Flash Point                  | Not flammable   |
| Evaporation rate        | unknown                 | Flammability                 | Not flammable   |
| Flammability limits/air | Not applicable          | Vapor pressure               | 14 mg Hg @ 20°C |
| Vapor density           | 0.62                    | Specific gravity             | 1.01            |
| Water solubility        | Soluble 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**

**Information on Likely Routes of Exposure**

**Product Information**

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

**Component Information**

| <b>Chemical Name</b> | <b>Oral LD50</b> | <b>Dermal LD50</b> | <b>Inhalation LC50</b> |
|----------------------|------------------|--------------------|------------------------|
| 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**

**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**

**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**

|                                      |
|--------------------------------------|
| <b>SECTION 16: OTHER INFORMATION</b> |
|--------------------------------------|

|                    |                       |                     |                         |                            |
|--------------------|-----------------------|---------------------|-------------------------|----------------------------|
| <b><u>NFPA</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Instability</b>      | <b>Special Hazards</b>     |
|                    | 1                     | 0                   | 0                       | None                       |
| <b><u>HMIS</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Physical Hazards</b> | <b>Personal Protection</b> |
|                    | Not determined        | Not determined      | Not determined          | Not determined             |

**Issue Date**                    January 2, 2007  
**Revision Date**                September 8, 2013  
**Revision Note**                New format

**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**