

Revision Date: April 2, 2014

Page 1 of 6

**SECTION 1: IDENTIFICATION**

**Product Identifier**

**Product Name:** Lo-Temp 21

**Recommended Use of the Chemical and Restrictions on Use**

**Recommended Use:** Low Temperature Dishmachine Detergent

**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**

**Appearance:** Clear Pink Liquid

**Physical State:** Liquid

**Odor:** No odor

**Classification**

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2



**Signal Word**

**Warning**

**Hazard Statements**

Causes skin irritation

Causes severe eye irritation

**Precautionary Statements – Prevention**

Wash face, hands and any exposed skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements – Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse

**Hazards Not Otherwise Classified (HNOC)**

May be harmful if swallowed

**Other Information**

Not Applicable

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Sodium carbonate	497-19-8	Not identified*

\*The specific percentages are not identified due to "Trade Secret" status. In emergency situation, 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**

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Eye Contact** Immediately flush with plenty of water. After initial flushing, remove contact lenses and continue flushing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

**Ingestion** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin Contact** Wash with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

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

**Symptoms** Eyes may have symptoms of redness, itching, irritation and watering from overexposure. Prolonged or repeated skin contact may cause irritation. Ingestion may cause irritation of digestive tract.

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

**Note to Physicians** Treat symptomatically. Medical conditions aggravated by exposure: Individuals with chronic eye and skin disorders.

**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**

Non-flammable.

**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 protective equipment as required.

**Environmental Precautions:** Not determined.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment:** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up:** Wash small spills to sanitary sewer. Dike large spills. 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. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8.

**Conditions for Safe Storage, Including and Incompatibilities**

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Store un-opened containers locked up.

**Incompatible Materials:** Strong acids.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Trade Secret*	15 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	-

**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:** Wear approved safety goggles.

**Skin and Body Protection:** No protective equipment is needed under normal use conditions.

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

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene/safety practices.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information and Basic Physical and Chemical Properties**

**Physical State:** Liquid                                      **Odor:** None  
**Appearance:** Clear Pink Liquid                                      **Color:** Pink

Property	Value	Property	Value
pH – 1% solution	Approx: 11.0	<b>Melting/freezing point</b>	Unknown
<b>Boiling point</b>	223° F	<b>Flash point</b>	Non-flammable
<b>Evaporation rate</b>	Not applicable	<b>Flammability</b>	Not determined
<b>Flammability limits/ air</b>	Not determined	<b>Vapor pressure</b>	14 mm Hg @ 68° F
<b>Vapor density</b>	0.62	<b>Specific gravity</b>	1.0
<b>Water solubility</b>	Soluble in all portions	<b>Solubility in other solvents</b>	Not determined
<b>Partition coefficient</b>	Not determined	<b>Auto-ignition temp</b>	Not determined
<b>Decomposition temp</b>	Not determined	<b>Kinematic viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined	<b>Explosive properties</b>	Not determined
<b>Oxidizing properties</b>	Not determined	<b>Bulk Density</b>	Not applicable

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity**  
 Not reactive under normal conditions

**Chemical Stability**  
 Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**  
 None under normal processing.

**Conditions to Avoid**  
 Extreme heat. Keep out of reach of children.

**Incompatible Materials**  
 Strong acids.

**Hazardous Decomposition Products**  
 None known

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

**Product Information**

<b>Inhalation</b>	Avoid inhalation of mists.
<b>Eye Contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	Causes skin irritation.

**Ingestion** May be harmful if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Trade Secret*	= 3100 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	-
Trade Secret*	= 1870 mg/kg (Rat)	> 2000 mg/kg	> 4.96 mg/l (rat/4.5 h)
Sodium carbonate 497-19-8	= 4090 mg/kg (Rat)	-	-
Trade Secret*	> 6000 mg/kg (Rat)	-	-

**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** Not classifiable as a human carcinogen.

**Numerical Measures of Toxicity-Product**

Not determined

**SECTION 12: ECOLOGICAL INFORMATION**

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.

Chemical Name	California Hazardous Waste Status
Sodium carbonate, 497-19-8	Corrosive

**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**

**US Federal Regulations**

**SARA 311/312 Hazard Categories**

**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.

**SECTION 16: OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b> 1	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special Hazards</b> Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b> Not determined	<b>Flammability</b> Not determined	<b>Physical Hazards</b> Not determined	<b>Personal Protection</b> Not determined

**Disclaimer**

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End of Safety Data Sheet