

SAFETY DATA SHEET

Revision Date: April 2, 2014

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SECTION 1: IDENTIFICATION

Product Identifier

Product Name: Liquid Pre-Soak

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Presoak for flatware and dinnerware; de-tarnish for silverware

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 Purple Liquid

Physical State: Liquid

Odor: Mild 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-%
Potassium Hydroxide	1310-58-3	Not identified*
Tetrapotassium Pyrophosphate	7320-34-5	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, nausea, vomiting.
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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.
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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
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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
Potassium Hydroxide, 1310-58-3	2 mg/m ³	-	-
Tetrapotassium Pyrophosphate, 7320-34-5	3 mg/m ³	5 mg/m ³	-
Trade Secret*	15 mg/m ³	15 mg/m ³	

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 Purple Liquid

Color: Purple

Property	Value	Property	Value
pH – 1% solution	Approx: 10.5	Melting/freezing point	Unknown
Boiling point	227° F	Flash point	Non-flammable
Evaporation rate	Not applicable	Flammability	Not determined
Flammability limits/ air	Not determined	Vapor pressure	13 mm Hg @ 68° F
Vapor density	0.62	Specific gravity	1.24
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

None under normal processing.

Conditions to Avoid

Extreme heat. Keep out of reach of children.

Incompatible Materials

Strong acids.

Hazardous Decomposition Products

Carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation

Avoid inhalation of mists.

Eye Contact

Causes serious eye irritation.

Skin Contact Causes skin irritation.

Ingestion May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tetrapotassium Pyrophosphate, 7320-34-5	> 2890 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	-
Trade Secret*	= 3100 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	-

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.

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

CERCLA

Component: Potassium Hydroxide Reportable Quantity: 1000 lb

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

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