

# SAFETY DATA SHEET

Revision Date: January 15, 2014

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## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Name:** Extra Sour Laundry Sour

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

**Recommended Use:** Liquid laundry pH neutralizer

### 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 liquid

**Physical State:** Liquid

**Odor:** Faint acid odor

### Classification

|                                   |             |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 1  |
| Skin corrosion/irritation         | Category 1A |



### Signal Word

**Danger**

### Hazard Statements

Causes severe skin burns and eye damage.

### Precautionary Statements – Prevention

Do not breathe dust, fumes, gas, mist, vapors and/or spray. Wear protective gloves, clothing – Full body Suit, and eye/face protection – Face Shield & Eye Protection. Wash thoroughly after handling.

### Precautionary Statements – Response

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

**IF ON SKIN:** Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

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

**IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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| <b>SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS</b> |
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| Chemical Name   | CAS No    | Weight %        |
|-----------------|-----------|-----------------|
| Phosphoric Acid | 7664-38-2 | Not identified* |
| Oxalic Acid     | 6153-56-6 | 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

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| <b>SECTION 4: FIRST AID MEASURES</b> |
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**First Aid Measures**

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| <b>Eye Contact</b>  | Immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention.  |
| <b>Skin Contact</b> | For minor skin contact, avoid spreading material on unaffected skin. . Wash skin with soap and water. Remove and isolate contaminated clothing and shoes. Wash contaminated clothing before reuse.  |
| <b>Inhalation</b>   | After high vapor exposure, remove to fresh air. If breathing is difficult. give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR) |
| <b>Ingestion</b>    | Rinse mouth. Give plenty of water to drink. Do NOT induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY. Do NOT give liquids to an unconscious or convulsing person.  |

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

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| <b>Symptoms</b> | <b>Eye contact</b> is corrosive and can cause severe burns to eyes, redness, tearing, and blurred vision. <b>Skin contact</b> causes severe skin burns and de-fatting, dermatitis. <b>Inhalation</b> may cause severe respiratory tract irritation. Vapor is harmful. <b>Ingestion</b> causes corrosion, burns to mouth and esophagus, abdominal pain, chest pain, nausea, vomiting, diarrhea, seizures. Aspiration of the swallowed or vomited product can cause severe pulmonary complications. May be harmful or fatal if swallowed. |
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**Indication of any Immediate Medical Attention and Special Treatment Needed**

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| <b>Note to Physicians</b> | All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. |
| <b>Other Information</b>  | Call 911 or emergency medical service. Ensure that medical personnel are aware of the material involved and take precautions to protect themselves. Keep victim warm and quiet.                                      |

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| <b>SECTION 5: FIRE-FIGHTING MEASURES</b> |
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**Suitable Extinguishing Media**

Not combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:** None known

**Specific Hazards Arising from the Chemical**

Not combustible. Under fire conditions, toxic, corrosive fumes are emitted – oxides of phosphorus. Flammable hydrogen gas will be liberated if material contacts active metal. Closed containers may explode if exposed to extreme heat.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSNA/NIOSH (approved or equivalent) and full protective gear.

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| <b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b> |
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**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions:** Ventilate enclosed areas. Keep unprotected personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use complete chemical protective suit with self-contained breathing apparatus.

**Environmental Precautions:** Prevent material from waterways, sewers, basements or confined areas. Runoff from fire control or dilution water may cause pollution.

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

**Methods for Containment:** Exercise caution during neutralization as considerable heat may be generated. Neutralize spill area with soda ash, sodium bicarbonate or lime. Flush neutralized spill with copious amounts of water.

**Methods for Cleaning Up:** Keep unauthorized personnel away. Dike spill using absorbent or impervious materials such as earth, sand or clay. Sweep spilled material into dry, sealable containers. Dike or retain dilution water or water from firefighting for later disposal.

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| <b>SECTION 7: HANDLING AND STORAGE</b> |
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**Precautions for Safe Handling**

**Advice on Safe Handling:** Wear personal protective equipment as shown in Section 8. Do not get on skin or in eyes. Avoid breathing vapors and mists. Do not ingest. Handle and open container with care. Use only with adequate ventilation. Use caution when combining with water. DO NOT add water to corrosive liquid. ALWAYS add corrosive liquid to water while stirring to prevent release of heat, steam and fumes. This product reacts violently with bases liberating heat and causing spattering.

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

**Storage Conditions:** Store in cool/low-temperature, well-ventilated, dry place. Store locked up. Keep away from incompatible materials. Ventilate enclosed areas.

**Incompatible Materials:** Fluorine, strong oxidizing agents, strong reducing agents, bases, metals, sulfur trioxide, phosphorous pentoxide.

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| <b>SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</b> |
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**Exposure Guidelines**

| Chemical Name                | ACGIH TLV                | OSHA PEL                 | NIOSH IDLH               |
|------------------------------|--------------------------|--------------------------|--------------------------|
| Phosphoric Acid<br>7664-38-2 | TWA: 1 mg/m <sup>3</sup> | TWA: 1 mg/m <sup>3</sup> | TWA: 1 mg/m <sup>3</sup> |
| Oxalic Acid<br>6153-56-6     | 1 mg/m <sup>3</sup>      | 1 mg/m <sup>3</sup>      | -                        |

**Appropriate Engineering Controls**

**Engineering Controls** Apply technical measures to comply with occupational exposure limits. Good general ventilation should be used and should be matched to conditions.

**Individual Protections Measures, such as Personal Protective Equipment**

**Eye/Face Protection:** Wear face shield and eye protection.

**Skin and Body Protection:** Wear protective clothing as warranted.

**Hands:** Wear protective gloves selected with regard to both durability and well as permeation resistance.

**Respiratory:** Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

**General Hygiene Considerations:** Do not get in eyes or on skin or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Promptly remove clothing that becomes contaminated. Launder or discard contaminated clothing. Handle in accordance with good industrial hygiene and safety practice.

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| <b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b> |
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**Information and Basic Physical and Chemical Properties**

**Physical State:** Liquid

**Odor:** Faint acid odor

**Appearance:** Clear liquid

**Color:** Clear

**Odor Threshold:** Not determined

| Property                 | Value          | Property                     | Value            |
|--------------------------|----------------|------------------------------|------------------|
| pH – 1% solution         | 2.0 to 3.0     | Melting/freezing point       | Not determined   |
| Boiling point            | > 212°F        | Flash point                  | Not determined   |
| Evaporation rate         | Not determined | Flammability                 | Not flammable    |
| Flammability limits/ air | Not determined | Vapor pressure               | 13 mm HG @ 68° F |
| Vapor density            | Not determined | Specific gravity             | 1.14             |
| Water solubility         | Complete       | 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   |

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| <b>SECTION 10: STABILITY AND REACTIVITY</b> |
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**Reactivity**

Not reactive under normal conditions

**Chemical Stability**

Stable

**Possibility of Hazardous Reactions**

None under normal processing.

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| <b>Hazardous Polymerization</b> | Hazardous polymerization does not occur. |
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**Conditions to Avoid**

Isolate from alkalis.

**Incompatible Materials**

Fluorine, strong oxidizing agents, strong reducing agents, bases, metals, sulfur trioxide, phosphorous pentoxide.

**Hazardous Decomposition Products**

Oxides of phosphorous (Phosphorous Pentoxide)

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| <b>SECTION 11: TOXICOLOGICAL INFORMATION</b> |
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**Information on Likely Routes of Exposure****Product Information**

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| <b>Eye Contact</b>  | Corrosive. Can cause permanent date to the cornea, blindness. |
| <b>Skin Contact</b> | Causes severe skin burns and eye damage.                      |
| <b>Inhalation</b>   | May cause corrosive burns – irreversible damage.              |
| <b>Ingestion</b>    | Causes corrosion, burns to mouth and esophagus.               |

**Component Information**

| Chemical Name                | Oral LD50          | Dermal LD50  | Inhalation LC50                |
|------------------------------|--------------------|--|--------------------------------|
| Phosphoric Acid<br>7664-38-2 | = 1.25 mg/kg (Rat) | = 595 mg/kg (Rabbit)   | = 25.5 mg/m <sup>3</sup> (Rat) |
| Oxalic Acid<br>6153-56-6     | = 375 mg/kg (Rat)  | = 500 mg/24H mild<br>(Skin -Rabbit)<br>= 250 mg/24H severe<br>(Eye-Rabbit) | -                              |

**Information on Physical, Chemical and Toxicological Effects**

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| <b>Symptoms</b> | Please see section 4 of this SDS for symptoms. |
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**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

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| <b>Carcinogenicity</b> | Not classifiable as a human carcinogen. |
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**Numerical Measures of Toxicity-Product**

Not determined

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| <b>SECTION 12: ECOLOGICAL INFORMATION</b> |
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Not determined

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| <b>SECTION 13: DISPOSAL CONSIDERATIONS</b> |
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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.

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| <b>SECTION 14: TRANSPORT INFORMATION</b> |
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**DOT**                                      NA 1760, COMPOUND, CLEANING, LIQUID (Contains Phosphoric Acid) 8, PG III,

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| <b>SECTION 15: REGULATORY INFORMATION</b> |
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**International Inventories**

**Legend:**

Not determined

**US Federal Regulations**

**Section 313 of Sara Title III**

Phosphoric Acid, CAS No 7664-38-2      15% to 75%      5000 lb final RQ; 2270 kg final RQ

**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.

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| <b>SECTION 16: OTHER INFORMATION</b> |
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| <b><u>HMIS</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Reactivity</b> | <b>Personal Protection</b> |
|--------------------|-----------------------|---------------------|-------------------|----------------------------|
|                    | 3                     | 0                   | 0                 | F                          |

**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