

Revision Date: March 26, 2014

Page 1 of 6

**SECTION 1: IDENTIFICATION**

**Product Identifier**

**Product Name:** E.L.C.

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

**Recommended Use:** Laundry 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:** White powder

**Physical State:** Powder

**Odor:** Lemon

**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**

<b>Chemical Name</b>	<b>CAS No</b>	<b>Weight-%</b>
Sodium metasilicate	6834-92-0	Not identified*
Sodium carbonate	497-19-8	Not identified*
Sodium dodecyl benzene sulfonate	25155-30-0	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**

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Eye Contact</b>	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.
<b>Ingestion</b>	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.
<b>Skin Contact</b>	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**

<b>Symptoms</b>	Eyes may have symptoms of redness, itching, irritation and watering from overexposure. Prolonged or repeated skin contact may cause irritation. Nausea.
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**Indication of any Immediate Medical Attention and Special Treatment Needed**

<b>Note to Physicians</b>	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. 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 protective equipment as required. Spills may be slippery.

**Environmental Precautions:** See Section 12 for additional ecological information.

**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:** Sweep up small spills or flush to a sanitary sewer. Recoup useable material from large spills. Sweep up contaminated material and place into containers for disposal.

**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. Keep material dry.

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

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

**Incompatible Materials:** Strong acids.

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

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium metasilicate, 6834-92-0	2 mg/m <sup>3</sup>	2 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:** Powder

**Odor:** Lemon

**Appearance:** White Powder

**Color:** White

Property	Value	Property	Value
pH – 1% solution	11.0	Melting/freezing point	Unknown
Boiling point	Not applicable	Flash point	Non-flammable
Evaporation rate	Not applicable	Flammability	Not determined
Flammability limits/ air	Not determined	Vapor pressure	Not applicable
Vapor density	Not applicable	Specific gravity	Not applicable
Water solubility	Moderately soluble	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	60 lbs/ft <sup>3</sup>

**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**

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**

**Inhalation**

Avoid inhalation of dust.

**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
Trade Secret*	= 3/g/kg (Rat)	> 10 g/kg (Rabbit)	> 42 g/m <sup>3</sup> (Rat) 1 h
Sodium metasilicate 6834-92-0	= 600 mg/kg (Rat)	-	-
Sodium carbonate 497-19-8	= 4090 mg/kg (Rat)	-	-
Trade Secret*	= 27000 mg/kg (Rat)	> 2 g/kg (Rabbit)	> 5800 mg/m <sup>3</sup> (Rat) 4 h
Sodium dodecyl benzene sulfonate 25155-30-0	= 438 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.

<b><u>DOT</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated

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

**Legend:**

- TCSA – United States Toxic Substances Act Section 8(b) inventory*
- DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS – Japan Existing and New Chemical Substances*
- IECSC – China Inventory of Existing Chemical Substances*
- KECL – Korean Existing and Evaluated Chemical Substances*
- PICCS – Philippines Inventory of Chemicals and Chemical Substances*

**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.

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

<b>SECTION 16: OTHER INFORMATION</b>
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<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	0	0	Not determined
<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

**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