

**Section 1 - Identification**

Product Name: **L. L. High Efficiency 2X** A liquid detergent. Revised: 4/28/15

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**Section 2 - Hazards Identification**

Hazard categories: Skin Corrosion/Irritation 3; Eye Corrosion/Irritation 1

Hazard statements: Causes mild skin irritation.  
Causes serious eye damage.

Signal word: Danger

Pictogram: Corrosion

Precautionary statements

Prevention

Wear eye protection such as safety glasses with side shields.  
Wash hands thoroughly after handling.

Response

IF ON SKIN: If skin irritation occurs: Get medical attention.

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 attention.

Storage: None. Disposal: None.

**Section 3 - Composition / Information on Ingredients**

Ingredient	C.A.S. No.	Concentration
Water	7732-18-5	65%
Alcohols, C12-C15, ethoxylated	68131-39-5	17%
Dodecylbenzene sulfonate	25155-30-0	7%
Propylene Glycol	57-55-6	4%
Trisodium citrate	6132-04-3	3%
Triethanolamine	102-71-6	2%

\* This is not a trade secret of Damon Industries, it is a trade secret of the manufacturer of the ingredient.

**Section 4 - First Aid Measures**

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, lifting upper and lower eyelids occasionally. If eye irritation persists: Get medical attention.

**Skin Contact:** Wash exposed area with soap and water. If irritation persists, call a physician.

**Inhalation:** If affected, move exposed person to fresh air. If irritation persists get medical attention.

**Ingestion:** If the product is swallowed, do NOT induce vomiting. If affected person is conscious, give a glass of water or milk to drink. Get medical attention immediately.

**Section 5 - Fire-Fighting Measures**

**Extinguishing Media:** Any.

**Special Fire Fighting Procedures:** None.

**Unusual Fire And Explosion Hazards:** None.

**Section 6 - Accidental Release Measures**

**Steps To Be Taken If Material Is Released Or Spilled:** Small spills of 1 gallon or less may be wiped or mopped up. Larger spills should be diked to prevent spreading and then collected into clean pails or drums.

**Section 7 - Handling and Storage**

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet.

**Section 8 - Exposure Controls / Personal Protection**

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
Triethanolamine	102-71-6	2%	5 mg/m <sup>3</sup> (3)	-	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hour Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous  
Ingredients not shown either have no known limits or are below reportable levels in section 3 above.

**Ventilation:** Good room ventilation.

**Respiratory Protection:** None when used as directed.

**Gloves:** Persons with sensitive skin or who use the product for prolonged periods may wish to wear latex or neoprene gloves. Disposable latex gloves may be used.

**Eye Protection:** If eye contact with the product is possible, wearing safety glasses with side shields, especially for contact lens wearers, is a good idea.

**Other Protective Equipment:** None.

### Section 9 - Physical and Chemical Properties

<b>Appearance and Odor:</b> Blue liquid with floral odor.	
<b>Odor Threshold:</b> Not Available	<b>Vapor Pressure:</b> Not Available
<b>pH:</b> concentrate 8 ± 0.5	<b>Vapor Density:</b> Not Available
<b>Melting Point:</b> Not Available	<b>Relative Density (Specific Gravity):</b> 1.05
<b>Freezing Point:</b> Not Available	<b>Solubility(ies): Water:</b> 100%
<b>Boiling Point, Initial:</b> 212° F.	<b>Partition coefficient:</b> Not Available
<b>Boiling Range:</b> Not Available	<b>Auto-ignition Temperature:</b> Not Available
<b>Flash Point:</b> None. (ASTM D-56 closed cup)	<b>Decomposition Temperature:</b> Not Available
<b>Evaporation Rate:</b> Not Applicable	<b>Viscosity:</b> Same as water.-
<b>Flammability: (solid, gas):</b> Not Applicable	<b>Volatiles Percent:</b> 70%
<b>Upper Explosive Limit:</b> None	<b>V.O.C.:</b> 0% - 0 grams/liter
<b>Lower Explosive Limit:</b> None	

### Section 10 - Stability and Reactivity

**Incompatibility:** None

**Hazardous Decomposition Products:** None

### Section 11 - Toxicological Information

**Primary Routes of Entry:**  Skin contact;  Skin absorption;  Inhalation;  Ingestion

**Potential Health Effects:**

**Eyes** - causes irritation, redness, tearing, blurred vision, and possible damage.

**Skin** - causes irritation, reddening.

**Swallowing** - causes gastrointestinal irritation and burns, nausea, vomiting, diarrhea.

**Breathing** - excessive inhalation of vapors can cause irritation.

### Section 12 - Ecological Information

Do not dispose of in nature.

### Section 13 - Disposal Considerations

**Waste Disposal Method:** Up to 1 gallon may be washed to a sanitary sewer with a large amount of water. Dispose of larger amounts in accordance with federal, state and local regulations.

### Section 14 - Transport Information

**D.O.T. Hazard Class:** Not considered hazardous by D.O.T., I.M.C.O., I.A.T.A. or U.N.

### Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

### Section 16 - Other Information

**NFPA:** H:1 F:0 I:0 **HMIS® III:** H:1 F:0 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 12/30/08. GHS conversion.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.