



# Safety Data Sheet

Issue Date: 15-Sep-2002

Revision Date: 05-Aug-2013

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** L 121 LIQUID LAUNDRY DETERGENT

### Other means of identification

**SDS #** BDS-001

**UN/ID No** NA1760

### Recommended use of the chemical and restrictions on use

**Recommended Use** Laundry detergent.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Bi-State Detergent Systems, Inc  
3207 Bear Tooth Court  
Bettendorf, IA 52722

### Emergency Telephone Number

**Company Phone Number** 1-563-355-6269 (Phone)

1-563-355-6607 (Fax)

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Colorless liquid

**Physical State** Liquid

**Odor** Characteristic

### Classification

Skin corrosion/irritation	Category 1 Sub-category C
Serious eye damage/eye irritation	Category 1

### Signal Word

**Danger**

### Hazard Statements

Causes severe skin burns and eye damage



#### **Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection

#### **Precautionary Statements - Response**

Immediately call a poison center or doctor/physician  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a poison center or doctor/physician  
 IF ON SKIN (or hair): Remove/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  
 Immediately call a poison center or doctor/physician  
 IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
 Immediately call a poison center or doctor/physician

#### **Precautionary Statements - Storage**

Store locked up

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>CAS No</b>	<b>Weight-%</b>
Proprietary Detergent	Proprietary	3-7
Proprietary Detergent	Proprietary	0.5-1.5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### **4. FIRST-AID MEASURES**

#### **First Aid Measures**

<b>General Advice</b>	Immediately call a poison center or doctor/physician.
<b>Eye Contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
<b>Skin Contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation persists, seek medical attention.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Drink large amounts of water. If vomiting occurs spontaneously, keep airway clear. Get medical attention immediately.

**Most important symptoms and effects**

<b>Symptoms</b>	Causes severe skin burns and eye damage. Inhalation may cause respiratory tract irritation. Ingestion may cause irritation of the gastrointestinal tract, cramps, vomiting or diarrhea. Overexposure may aggravate pre-existing disorders of the eyes, skin and respiratory system.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>). Water. Water spray (fog). Dry chemical. Chemical foam.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Non-flammable.

**Hazardous Combustion Products** Carbon oxides. Hydrocarbons. Fumes and smoke.

**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. Water may be used to cool containers to prevent pressure build up. Floors may become slippery if material is released. Corrosive hazard. Wear protective gloves/clothing and eye/face protection.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Use personal protection recommended in Section 8.
<b>For Emergency Responders</b>	Corrosive hazard. Wear protective gloves/clothing and eye/face protection.
<b>Environmental Precautions</b>	See Section 12 for additional Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	Small spills may be permitted to be flushed to a sanitary sewer. Check with local authorities before proceeding. For large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling**

<b>Advice on Safe Handling</b>	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.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from extreme temperatures. Protect container from physical damage. Store locked up.
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**Incompatible Materials** Strong oxidizers. Strong acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Proprietary Detergent	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	-
Proprietary Detergent	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Eyewash stations. Showers.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses with side shields or chemical goggles.

**Skin and Body Protection** Neoprene or rubber gloves with cuffs. Coveralls, apron or other equipment should be worn to minimize skin contact.

**Respiratory Protection** No respiratory protection is necessary during normal use conditions. In the case of insufficient ventilation or if exposure limits are exceeded, use a suitable NIOSH/MSHA respiratory device.

**General Hygiene Considerations** Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Characteristic
<b>Appearance</b>	Colorless liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	13.0	
<b>Melting Point/Freezing Point</b>	Not determined	
<b>Boiling Point/Boiling Range</b>	100 °C / 212 °F	
<b>Flash Point</b>	Non-flammable	
<b>Evaporation Rate</b>	< 1	(Water = 1)
<b>Flammability (Solid, Gas)</b>	Liquid-not applicable	
<b>Upper Flammability Limits</b>	Not applicable	
<b>Lower Flammability Limit</b>	Not applicable	
<b>Vapor Pressure</b>	17 mmHg	@ 20 C
<b>Vapor Density</b>	>1	(Air=1)
<b>Specific Gravity</b>	1.040	(1=Water)
<b>Water Solubility</b>	Completely soluble	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	None known	
<b>Oxidizing Properties</b>	Not determined	

## 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.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children. Extreme temperatures.

### Incompatible Materials

Strong oxidizers. Strong acids.

### Hazardous Decomposition Products

Decomposition will not occur if handled and stored properly. If heated to decomposition, CO and CO<sub>2</sub> may be produced. Acrid smoke and fumes emitted if heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact**                      Causes severe eye damage.

**Skin Contact**                     Causes severe skin burns.

**Inhalation**                        Avoid breathing vapors or mists.

**Ingestion**                         Do not taste or swallow.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Proprietary Detergent	= 600 mg/kg ( Rat )	-	-
Proprietary buffering agent	-	> 4640 mg/kg ( Rabbit )	-
Proprietary surfactant	= 1310 mg/kg ( Rat )	= 2 mL/kg ( Rabbit )	-
Proprietary Detergent	= 214 mg/kg ( Rat )	-	-
Proprietary	> 90 mL/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**                 This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

11.05% of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Proprietary Detergent		210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50		216: 96 h Daphnia magna mg/L EC50
Proprietary buffering agent		100: 96 h Oncorhynchus mykiss mg/L LC50		100: 48 h water flea mg/L EC50
Proprietary Detergent		80: 96 h Gambusia affinis mg/L LC50 static		

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Chemical Name	Partition Coefficient
Proprietary Detergent	0.83

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations for alkaline materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Proprietary Detergent	Toxic Corrosive

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### DOT

UN/ID No NA1760  
 Proper Shipping Name Compounds, cleaning liquid (Potassium hydroxide)  
 Hazard Class 8  
 Packing Group III

### IATA

UN/ID No UN1760  
 Proper Shipping Name Corrosive Liquid, n.o.s. (Sodium Metasilicate, Potassium Hydroxide)  
 Hazard Class 8  
 Packing Group III

### IMDG

UN/ID No UN1760  
 Proper Shipping Name Corrosive Liquid, n.o.s. (Sodium Metasilicate, Potassium Hydroxide)  
 Hazard Class 8  
 Packing Group III

## 15. REGULATORY INFORMATION

### International Inventories

Not determined

### US Federal Regulations

### CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Proprietary Detergent	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

### SARA 311/312 Hazard Categories

Not determined

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

### CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Proprietary Detergent (0.5-1.5)	1000 lb			X

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Proprietary Detergent	X	X	X

**16. OTHER INFORMATION****NFPA****Health Hazards****Flammability****Instability****Special Hazards****HMIS****Health Hazards****Flammability****Physical Hazards****Personal Protection**Not determined  
1Not determined  
0Not determined  
0Not determined  
Not determined

**Issue Date:** 15-Sep-2002  
**Revision Date:** 05-Aug-2013  
**Revision Note:** New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a 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**