



# Safety Data Sheet

Issue Date: 15-Sep-2002

Revision Date: 16-Aug-2013

Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name L700 Sizing

### Other means of identification

SDS # BDS-033

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

Recommended Use Cleaning agent.

### 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

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                | CAS No      | Weight-% |
|------------------------------|-------------|----------|
| Proprietary Thickening Agent | Proprietary | <5       |
| Proprietary Sizing Agent     | Proprietary | <1       |

\*\*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>Eye Contact</b>  | Remove any contact lenses and open eyes wide apart. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if irritation persists. |
| <b>Skin Contact</b> | Remove contaminated clothing, wash thoroughly before reuse. Wash area with soap and water. If skin irritation persists, call a physician.   |
| <b>Inhalation</b>   | Remove to fresh air. If breathing becomes difficult, call a physician.  |
| <b>Ingestion</b>    | If conscious give 2 glasses of water to dilute. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.               |

##### Most important symptoms and effects

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Direct contact with eyes may cause temporary irritation. Prolonged contact with skin may cause irritation. Inhalation is not expected to cause symptoms. However, certain individuals may experience minor nausea or headaches. May cause nausea, vomiting, stomach ache, and diarrhea. Overexposure may aggravate pre-existing disorders of the eyes, skin and respiratory system. |
|-----------------|---|

##### Indication of any immediate medical attention and special treatment needed

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

#### 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** Smoke, fumes or vapors, and oxides of carbon. Hydrocarbons.

##### 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.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

|                                  |  |
|----------------------------------|--|
| <b>Personal Precautions</b>      | Use personal protective equipment as required.   |
| <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. |
|--------------------------------|---|

**Methods for Clean-Up**

Small spills may be permitted to be flushed to a sanitary sewer. Check with local authorities before proceeding. Large spills-confine spill, soak up with approved absorbent, and shovel product into approved container for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect container from physical damage. Protect from extreme temperatures. Protect from freezing.

**Incompatible Materials**

Strong oxidizers. Strong acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Appropriate engineering controls****Engineering Controls**

Ensure adequate ventilation, especially in confined areas. Use mechanical system if in closed storage area. Eyewash stations. Showers.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Wear safety glasses with side shields (or goggles).

**Skin and Body Protection**

No special technical protective measures are necessary. Normal work clothing (long sleeved shirts and long pants) is recommended.

**Respiratory Protection**

None required under normal use. In case of inadequate ventilation wear respiratory protection.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 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             |                                |                |
| <b><u>Property</u></b>              | <b><u>Values</u></b>  | <b><u>Remarks • Method</u></b> |                |
| <b>pH</b>                           | 7.0                   |                                |                |
| <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>             | 1.004              | (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

Extreme temperatures. Keep from freezing.

### Incompatible Materials

Strong oxidizers. Strong acids.

### Hazardous Decomposition Products

Decomposition will not occur if handled and stored properly. In case of fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |                                  |
|---------------------|----------------------------------|
| <b>Eye Contact</b>  | Avoid contact with eyes.         |
| <b>Skin Contact</b> | Avoid contact with skin.         |
| <b>Inhalation</b>   | Avoid breathing vapors or mists. |
| <b>Ingestion</b>    | Do not taste or swallow.         |

### Component Information

| Chemical Name                | Oral LD50             | Dermal LD50         | Inhalation LC50                      |
|------------------------------|-----------------------|---------------------|--------------------------------------|
| Proprietary Thickening Agent | = 27000 mg/kg ( Rat ) | > 2 g/kg ( Rabbit ) | > 5800 mg/m <sup>3</sup> ( Rat ) 4 h |
| Proprietary Sizing Agent     | = 5440 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**

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. Note: Magnesium nitrate is present in this product, however, it is present below the OSHA limit of 0.1 percent and therefore this product as a whole is not classified as a carcinogen.

| Chemical Name            | ACGIH | IARC     | NTP | OSHA |
|--------------------------|-------|----------|-----|------|
| Proprietary Sizing Agent |       | Group 2A |     | X    |

*IARC (International Agency for Research on Cancer)**Group 2A - Probably Carcinogenic to Humans**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**X - Present***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.

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not considered mobile

**Other Adverse Effects**

Not determined

**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.

**California Hazardous Waste Status**

| Chemical Name            | California Hazardous Waste Status |
|--------------------------|-----------------------------------|
| Proprietary Sizing Agent | Ignitable<br>Reactive             |

**14. TRANSPORT INFORMATION**

|                    |   |
|--------------------|---|
| <b><u>Note</u></b> | 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   |

**15. REGULATORY INFORMATION****International Inventories**

Not determined

**US Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name              | CAS No | Weight-% | SARA 313 - Threshold Values % |
|----------------------------|--------|----------|-------------------------------|
| Proprietary Sizing Agent - |        | <1       | 1.0                           |

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**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 Sizing Agent | X          | X             | X            |

**16. OTHER INFORMATION****NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

0

**Flammability**

0

**Physical Hazards**

0

**Personal Protection**

Not determined

**Issue Date:** 15-Sep-2002  
**Revision Date:** 16-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**