

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                                 |   |
|---------------------------------|---|
| <b>Product Name</b>             | <b>Bio-Pure Liquid (LSF) Evacuation System Cleaner</b>                                |
| <b>Manufacturer Information</b> | Bio-Pure Products, Inc.<br>P.O. Box 2230<br>Minden, NV 89423 USA<br>(+1) 775-265-1515 |
| <b>Email Address</b>            | admin@biopureproducts.com   |
| <b>URL</b>                      | www.biopureproducts.com   |
| <b>Emergency Telephone</b>      | Call Bio-Pure Products, Inc. – Toll Free: (+1) 888.596-6546                           |
| <b>Recommended Use</b>          | Drain Waste Management. Not for human consumption                                     |

## 2. HAZARDS IDENTIFICATION

|                                      |   |
|--------------------------------------|---|
| <b>Eyes</b>                          | May cause irritation, redness and pain                        |
| <b>Skin</b>                          | Possible irritation on prolonged contact or sensitive areas   |
| <b>Inhalation</b>                    | None known  |
| <b>Ingestion</b>                     | Large oral dosages may produce gastrointestinal disturbances. |
| <b>Physical and chemical hazards</b> | The liquid is EPA GRAS listed and generally regarded as safe. |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                  | CAS No.      | % Composition | OSHA – PEL          | ACGIH – TLV-TWA |
|--------------------------------|--------------|---------------|---------------------|-----------------|
| Citric Acid                    | 77-92-9      | <2%           | Not Listed          | Not Listed      |
| Sodium Benzoate                | 532-32-1     | <2%           | Not Listed          | Not Listed      |
| Sodium Propionate              | 137-40-6     | <2%           | Not Listed          | Not Listed      |
| Guar Gum                       | 9000-30-0    | <2%           | 15mg/m <sup>3</sup> | Not Listed      |
| Xanthan Gum                    | 11138-66-2   | <2%           | 15mg/m <sup>3</sup> | Not Listed      |
| Fragrance, Color & Defoamer    | Trade Secret | <2%           | Not Listed          | Not Listed      |
| Microbial Cultures and Enzymes | Trade Secret | Trade Secret  | Not Listed          | Not Listed      |
| Water                          | 7732-18-5    | Balance       | Not Listed          | Not Listed      |

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## 4. FIRST-AID MEASURES

|                           |  |
|---------------------------|--|
| <b>Eye Contact</b>        | Rinse thoroughly with plenty of water for at least 15 minutes. If irritation persists, consult a physician.  |
| <b>Skin contact</b>       | Wash off with plenty of soapy water. If irritation persists, consult a physician.  |
| <b>Inhalation</b>         | If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if respiratory irritations or distress continues. |
| <b>Ingestion</b>          | Clean mouth with water and afterwards drink plenty of water. If symptoms persist, call a physician.  |
| <b>Notes to Physician</b> | Treat symptomatically.   |

## 5. FIRE-FIGHTING MEASURES

|  |  |
|--|--|
| <b>Flammable properties</b>                                  | N/A  |
| <b>Suitable extinguishing methods</b>                        | Use water-spray, fog, carbon-dioxide, foam, or dry chemical  |
| <b>Protective Equipment and Precautions for Firefighters</b> | As in any fire, wear self-contained breathing apparatus with pressure demand and full protective gear. |

## 6. ACCIDENTAL RELEASE MEASURES

|   |  |
|---|--|
| <b>Personal precautions, protective equipment, and emergency procedures</b> | Avoid contact with skin and eyes. Use personal protective equipment. Avoid breathing vapors.       |
| <b>Methods for containment</b>  | Prevent dust cloud   |
| <b>Methods for cleanup</b>  | Sweep or scoop into suitable container for disposal. After product recovery, wash area with water. |

## 7. HANDLING AND STORAGE

|  |  |
|--|--|
| <b>Precautions for safe handling</b>                                 | Avoid inhalation, ingestion, and contact with skin and eyes.   |
| <b>Conditions for safe storage, including any incompatibilities.</b> | Store in original container. Keep container tightly closed. Check the Product Description for storage temperature. |

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|  |   |
|--|---|
| <b>Exposure Guidelines</b>                 | OSHA PEL 15mg/m <sup>3</sup> ACGIH TLV 10mg/m <sup>3</sup>  |
| <b>Occupational Exposure Controls</b>      |   |
| <b>Engineering Measures</b>                | Ensure adequate ventilation. Local exhaust ventilation at the point of generation.  |
| <b>Hygiene Measures</b>                    | Handle in accordance with good industrial hygiene and safety practices.   |
| <b>Personal Protective Equipment (PPE)</b> |   |
| <b>Eye/Face Protection</b>                 | Tightly fitting safety goggles  |
| <b>Skin and Body Protection</b>            | Wear protective gloves/clothing   |
| <b>Respiratory Protection</b>              | No protective equipment needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation, appropriate respirator, or evacuation may be required. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                  |                           |                                 |                     |
|----------------------------------|---------------------------|---------------------------------|---------------------|
| <b>Appearance</b>                | Blue color                | <b>Odor</b>                     | Citrus/Ginger odor  |
| <b>Physical State</b>            | Slightly thickened liquid | <b>pH</b>                       | 6 - 8 (2% solution) |
| <b>Melting/Freezing Point</b>    | Unknown                   | <b>Boiling Point/Range</b>      | Unknown             |
| <b>Flash Point</b>               | Unknown                   | <b>Evaporation Rate</b>         | Unknown             |
| <b>Flammability</b>              | Must be preheated         | <b>Explosion Limits</b>         | Unknown             |
| <b>Vapor Pressure</b>            | Unknown                   | <b>Density</b>                  | Unknown             |
| <b>Water Solubility</b>          | Very Soluble              | <b>Autoignition Temperature</b> | Unknown             |
| <b>Decomposition Temperature</b> | Unknown                   |                                 |                     |

## 10. STABILITY AND REACTIVITY

|                                 |  |
|---------------------------------|--|
| <b>Reactivity</b>               | Avoid contact with strong oxidizers                      |
| <b>Chemical Stability</b>       | Stable   |
| <b>Hazardous Polymerization</b> | Will not occur   |
| <b>Hazardous Decomposition</b>  | Combustion results in carbon monoxide and carbon dioxide |
| <b>Conditions to Avoid</b>      | Avoid heat, flames and sparks                            |

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## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

Oral

None Known

Dermal

None Known

Inhalation

No data available

### Irritation

Eye

Contact with the eyes can lead to mechanical irritation  
Prolonged or repeated contact may dry skin or cause irritation.

Skin

Respiratory

Inhalation of fumes in high concentrations may cause irritation of the respiratory system.

Ingestion

May cause temporary gastrointestinal discomfort

Sensitization

May cause sensitization of susceptible persons.

Effects of Short and Long-Term Exposure

No data available

Symptoms of Exposure

Possible irritation to eyes, skin, or respiratory system

NTP Report on Carcinogens / IARC Monographs

Not Listed

Potential OSHA Carcinogen

Not Listed

## 12. ECOLOGICAL INFORMATION

Persistence and Degradability

No data available; readily biodegradable components and viable microorganisms

Eco Toxicological Information

No data available

Adverse effects

None Expected

## 13. DISPOSAL CONSIDERATIONS

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This material is not considered hazardous wastes according to Federal regulations (40-CFR-261). Consult local, regional, or state regulations for additional requirements.

## 14. TRANSPORT INFORMATION

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Not classified as dangerous with respect to transport regulations

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## 15. REGULATORY INFORMATION

### Hazard Rating

| HMIS     |                                     |              |   |            |                 |          |   |
|----------|-------------------------------------|--------------|---|------------|-----------------|----------|---|
| Health   |                                     | Flammability |   | Reactivity |                 | PPE      |   |
| <b>2</b> | Temporary or minor injury may occur | <b>1</b>     | Must be preheated before ignition will occur. | <b>0</b>   | Normally stable | <b>E</b> | Safety Glasses<br>Gloves<br>Dust Respirator |

### U.S. Federal Regulations

| Chemical Name                       | SARA 313 – Threshold Values | CERCLA/SARA – Section 302<br>Extremely Hazardous |
|-------------------------------------|-----------------------------|--|
| Liquid Stabilized Microbial Mixture | Not Listed                  | Not Listed                                       |
|                                     |                             |  |

### U.S. State Regulations

California – This product does not contain any Proposition 65 Chemicals

## 16. OTHER

|  |                   |
|--|-------------------|
| Issuing Date   | 05 January 2015   |
| Revision Date  | 12 September 2016 |
| The information presented herein has been compiled from sources considered to be dependable and is accurate at the date of publication to the best of Bio-Pure Products, Inc.'s knowledge. The information is designed only to be a guide for safe handling, use, processing, storage, transportation, disposal, and release of the product. Bio-Pure Products, Inc.'s makes no warranty whatsoever, expressed or implied, of merchantability or fitness for the particular purpose, regarding the accuracy of such data or the results to be obtained from the use thereof. Bio-Pure Products, Inc. assumes no responsibility for injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks. |                   |
| <b>END OF SDS</b>  |                   |