

SAFETY DATA SHEET



1. PRODUCT AND COMPANY IDENTIFICATION

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

2. HAZARDS IDENTIFICATION

Eyes May cause irritation, redness and pain
Skin Possible irritation on prolonged contact or sensitive areas
Inhalation None known
Ingestion Large oral dosages may produce gastrointestinal disturbances.
Physical and chemical hazards 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 ³	Not Listed
Xanthan Gum	11138-66-2	<2%	15mg/m ³	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

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

5. FIRE-FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	OSHA PEL 15mg/m ³ ACGIH TLV 10mg/m ³
Occupational Exposure Controls	
Engineering Measures	Ensure adequate ventilation. Local exhaust ventilation at the point of generation.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practices.
Personal Protective Equipment (PPE)	
Eye/Face Protection	Tightly fitting safety goggles
Skin and Body Protection	Wear protective gloves/clothing
Respiratory Protection	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

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

10. STABILITY AND REACTIVITY

Reactivity	Avoid contact with strong oxidizers
Chemical Stability	Stable
Hazardous Polymerization	Will not occur
Hazardous Decomposition	Combustion results in carbon monoxide and carbon dioxide
Conditions to Avoid	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

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

Not classified as dangerous with respect to transport regulations

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15. REGULATORY INFORMATION

Hazard Rating

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

U.S. Federal Regulations

Chemical Name	SARA 313 – Threshold Values	CERCLA/SARA – Section 302 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.	
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