SAFETY DATA SHEET (SDS)
BioFoamer

Section 1: Identification

Product Name: BioFoamer
Recommended Use: Foaming Cleaner
Use Restrictions: It is a violation of federal law to use this product in a manner inconsistent with its labeling.
Manufacturer: BioSafe Systems, LLC
22 Meadow Street | East Hartford, CT 06108
Telephone Number: 1-888-273-3088
Emergency Number: 1-800-424-9300 (CHEMTREC)

Section 2: Hazard Identification

GHS Classification
Acute Oral Toxicity: Category 4
Aspiration Hazard: Category 2
Skin Irritation: Category 3
Serious Eye Irritation: Category 2A
Acute Aquatic Hazard: Category 2

Hazard Statements
H302: Harmful if swallowed.
H305: May be fatal if swallowed and enters airways.
H316: Causes mild skin irritation.
H319: Causes serious eye irritation.
H401: Toxic to aquatic life.

Pictograms

Signal Word
WARNING

Precautionary Statements

General
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.

Response
P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P332+P313: IF SKIN irritation occurs: Get medical advice/attention.
P337+P313: IF eye irritation persists: Get medical advice/attention.

Prevention
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P273: Avoid release to the environment.
P280: Wear protective gloves/eye protection/face protection.

Storage / Disposal
P405: Store locked up.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition / Information on Ingredients

Components
Sodium (C10-16) benzenesulfonate
Sodium Hydroxide

CAS-No
68081-81-2
1310-73-2

% Composition (w/w)
< 5.0%
1.0%

Section 4: First-Aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Ingestion: If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Inhalation: If mists are inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and get medical attention.
SAFETY DATA SHEET (SDS)

BioFoamer

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Water Spray, Dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media: None.

Combustion Products: None known.

Unusual Fire and Explosion Hazards: None known.

Protective Equipment for Firefighters: Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental Release Measures

Personal Precautions: Avoid inhalation, ingestion and contact with skin and eyes. Solution will make surrounding areas slippery.

Emergency Procedures: Ensure clean-up is conducted by trained personnel. Wear appropriate protective equipment – goggles, neoprene coveralls, neoprene, nitrile or latex gloves.

Environmental Precautions: Stop source of leak. Isolate spill by diking. Prevent spills from entering storm sewers or drains and contact with soil.

Methods and Material for Containment and Clean-Up: Transfer to non-leaking container or storage vessel. Neutralize with dilute acid such as acetic (vinegar) and flush with water. Do not wash un-neutralized product into sewers or waterways. If the location of the spill does not permit on site neutralization, absorb spill with inert material (diatomaceous earth) or absorbent pads. Clean up and place in an approved DOT container and seal.

Section 7: Handling and Storage

Handling: Protect against physical damage. Do not get in eyes, on skin or clothing. Do not breathe mists. Isolate from incompatible substances. Observe all warnings and precautions listed for this product.

Storage: Keep in a tightly closed container. Keep containers upright when not in use.

Incompatible Materials: Strong Oxidizers.

Section 8: Exposure Controls / Personal Protection

Components with Workplace Control Parameters

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>TWA: 2 mg/m³ - 8 hours.</td>
<td>TWA: 2 mg/m³ - 8 hours.</td>
<td>TWA: 2 mg/m³ - 8 hours.</td>
</tr>
</tbody>
</table>

Engineering Controls: Exhaust ventilation is not necessary. Avoid misting of product. Maintain an eye wash fountain and a safety shower in the work area.

General Hygienic Practices: Do not eat, drink or smoke during use.

Personal Protective Equipment: Safety glasses, gloves, aprons.

Respiratory Protection: When there is exposure to mist or if gas is evolved due to reaction with incompatible materials, use NIOSH/MSHA approved dust/mist filter respirator.

Eye / Face Protection: Wear chemical safety glasses with a face shield if splashing is likely to occur.

Hands: Avoid skin contact and use nitrile, latex, neoprene or natural rubber gloves.

Skin / Body: Rubber apron and boots are suggested.

Section 9: Physical and Chemical Properties

Appearance: Clear to pale yellow liquid.

Odor: None.

Odor Threshold: Not available.

pH: 8.0 – 11.0

Specific Gravity: 1.01 – 1.03 g/mL

Viscosity: Not available.

Melting Point: Not available.

Freezing Point: Not available.

Boiling Point: >212°F (>100°C)

Flammability: Non-flammable.

Flammability Limits: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Solubility: Complete.

Auto-Ignition Temperature: Not available.

Partition Coefficient n-octanol / water: Not available.

Relative Density: Not available.

Decomposition Temperature: Not available.

Section 10: Stability and Reactivity

Stability: The product is stable under normal conditions.

Conditions to Avoid: Contact with strong oxidizers and acids.

Incompatible Materials: Acids, strong oxidizers.

Hazardous Decomposition Products: Oxides of sulfur including sulfur dioxide.

Section 11: Toxicological Information

Acute Toxicological Data

Oral LD50: Not available.

Dermal LD50: Not available.

Inhalation LC50: Not available.

Likely Routes of Exposure: Ingestion, Eye and Skin Contact, Inhalation of mists.
## SAFETY DATA SHEET (SDS)

**BioFoamer**

### Symptoms and Effects

<table>
<thead>
<tr>
<th>Condition</th>
<th>Acute Effects</th>
<th>Chronic (Delayed) Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Contact</td>
<td>May cause serious eye damage.</td>
<td>None.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>May cause skin irritation.</td>
<td>None.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>May cause respiratory tract irritation.</td>
<td>None.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be harmful if swallowed.</td>
<td>None.</td>
</tr>
</tbody>
</table>

### Section 12: Ecological Information

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>Toxic to aquatic life.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and Degradability</td>
<td>Expected to be biodegradable.</td>
</tr>
<tr>
<td>Bioaccumulation Potential:</td>
<td>Not available.</td>
</tr>
<tr>
<td>Mobility in Soil:</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Section 13: Disposal Considerations

**Waste from Residues and Unused Product:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Contaminated Container Disposal:** Do not reuse or refill this container. Triple rinse empty containers with clean water. Clean and empty containers are to be recycled or placed in the trash.

### Section 14: Transport Information

<table>
<thead>
<tr>
<th>UN Number</th>
<th>UN Proper Shipping Name</th>
<th>Hazard Class (Subsidiary)</th>
<th>Label (Subsidiary)</th>
<th>Packing Group</th>
<th>Marine Pollutant</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Not regulated.

### Section 15: Regulatory Information

**TSCA Inventory List:** Yes

**US EPA CERCLA Hazardous Substances:** Sodium Hydroxide 1000 lbs.

<table>
<thead>
<tr>
<th>SARA Title III Sec. 302/303</th>
<th>N/A</th>
<th>Sec. 302 TPQ:</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Title III Sec. 311/312</td>
<td>N/A</td>
<td>Hazard Category:</td>
<td>Acute Health</td>
</tr>
<tr>
<td>US EPA EPCRA Sec. 313</td>
<td>N/A</td>
<td>CAA Threshold Qty:</td>
<td>N/A</td>
</tr>
<tr>
<td>NFPA Rating</td>
<td>Health: 1</td>
<td>Flammability: 0</td>
<td>Reactivity: 0</td>
</tr>
<tr>
<td>HMIS Rating</td>
<td>Health: 1</td>
<td>Flammability: 0</td>
<td>Physical: 0</td>
</tr>
</tbody>
</table>

**CAN WHMIS Classification:** Not applicable.

**California Prop 65:** This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

### Section 16: Other Information

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

To the extent of our knowledge, the information herein is accurate as of the date of this document. However, neither BioSafe Systems nor any of its affiliates make any warranty, expressed or implied, or accept any liability relating to the information or its use. The information is for use by technically skilled persons at their own discretion and risk. This is not a license or a patent. The user alone must finally determine suitability of any information or material for any contemplated use, the manner or use and whether any patents are infringed. Always read and follow label directions.

For additional information, call us toll-free at 1.888.273.3088 or visit [www.biosafesystems.com](http://www.biosafesystems.com)

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Revision Date: 02/20/2019
Current Revision Number: 04

### Key to Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygiene</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute of Occupational Safety and Health</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>EHS</td>
<td>Environmental Health and Safety</td>
</tr>
<tr>
<td>DOT</td>
<td>Department of Transportation</td>
</tr>
<tr>
<td>EPA</td>
<td>Environmental Protection Agency</td>
</tr>
<tr>
<td>TPQ</td>
<td>Threshold Planning Quantity</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response, Compensation, and Liability Act</td>
</tr>
<tr>
<td>NFPA</td>
<td>National Fire Protection Association</td>
</tr>
<tr>
<td>WHMIS</td>
<td>Workplace Hazardous Materials Information System (Canada)</td>
</tr>
<tr>
<td>TWA</td>
<td>Time-Weighted Averages are based on 8h/day, 40h/week exposures</td>
</tr>
<tr>
<td>STEL</td>
<td>Short Term Exposure Limits are based on 15-minute exposures</td>
</tr>
<tr>
<td>STEV</td>
<td>Short Term Exposure Value</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>CAN TDG</td>
<td>Canadian Transportation of Dangerous Goods</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td>RQ</td>
<td>Reportable Quantity</td>
</tr>
<tr>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act</td>
</tr>
<tr>
<td>EPCRA</td>
<td>Emergency Planning and Community Right-to-Know Act</td>
</tr>
<tr>
<td>HMIS</td>
<td>Hazardous Materials Identification System</td>
</tr>
</tbody>
</table>