

Form #:	SDS-066
Revision Date:	02/20/2019
Revision #:	04
Supersedes Date:	01/14/2019

Section 1: Identification		
Product Name:	BioFoamer	Product Type / Description: Foaming Agent
Recommended Use:	Foaming Cleaner	Other Means of Identification: N/A
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	Hazard Statements
Acute Oral Toxicity: Category 4 Aspiration Hazard: Category 2 Skin Irritation: Category 3 Serious Eye Irritation: Category 2A Acute Aquatic Hazard: Category 2	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	Response
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.	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	Storage / Disposal
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.	P405: Store locked up. P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition / Information on Ingredients		
Components	CAS-No	% Composition (w/w)
Sodium (C10-16) benzenesulfonate	68081-81-2	< 5.0%
Sodium Hydroxide	1310-73-2	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.

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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

Component	ACGIH	NIOSH	OSHA
Sodium Hydroxide	TWA: 2 mg/m ³ - 8 hours.	TWA: 2 mg/m ³ - 8 hours.	TWA: 2 mg/m ³ - 8 hours.
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)
Flash Point:	Not available.	Flammability:	Non-flammable.	Flammability Limits:	Not available.
Vapor Pressure:	Not available.	Vapor Density:	Not available.	Solubility:	Complete.
Evaporation Rate:	Not available.	Auto-Ignition Temperature:	Not available.	Decomposition Temperature:	Not available.
Relative Density:	Not available.	Partition Coefficient n-octanol / water:	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.				

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Symptoms and Effects		
Condition	Acute Effects	Chronic (Delayed) Effects
Eye Contact:	May cause serious eye damage.	None.
Skin Contact:	May cause skin irritation.	None.
Inhalation:	May cause respiratory tract irritation.	None.
Ingestion:	May be harmful if swallowed.	None.

Section 12: Ecological Information	
Ecotoxicity:	Toxic to aquatic life.
Persistence and Degradability:	Expected to be biodegradable.
Bioaccumulation Potential:	Not available.
Mobility in Soil:	Not available.

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					
UN Number	UN Proper Shipping Name	Hazard Class (Subsidiary)	Label (Subsidiary)	Packing Group	Marine Pollutant
Not regulated.					

Section 15: Regulatory Information						
TSCA Inventory List:	Yes	US EPA CERCLA Hazardous Substances:		Sodium Hydroxide 1000 lbs.		
SARA Title III Sec. 302/303	N/A			Sec. 302 TPQ:	N/A	
SARA Title III Sec. 311/312	N/A	Hazard Category:	Acute Health	Sec. 304 EHS RQ:	N/A	
US EPA EPCRA Sec. 313	N/A			CAA Threshold Qty:	N/A	
NFPA Rating	Health: 1	Flammability: 0	Reactivity: 0	Special:	None.	
HMIS Rating	Health: 1	Flammability: 0	Physical: 0	PPE:	Recommended.	
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
<p>According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations</p> <p>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.</p> <p>For additional information, call us toll-free at 1.888.273.3088 or visit www.biosafesystems.com</p> <p>© 2018 BioSafe Systems, LLC. Revision Date: 02/20/2019 Current Revision Number: 04</p>

Key to Abbreviations

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