BRAMBLE BERRY
HANDCRAFT PROVISIONS

Safety Data Sheet
SLMI - Gentle Foaming Flakes

July 17th, 2023

Section 1: Chemical Product and Company Identification

Product name: SLMI - Gentle Foaming Flakes

Contact Info:
Bramble Berry Inc.
2138 Humboldt Street
Bellingham, WA 98225
info@brambleberry.com
www.brambleberry.com
1-877-627-7883

Emergency Phone Number:
Within USA & Canada: 1.800.424.9300 CCN693143
Outside USA & Canada: +1.703.527.3887 (collect calls accepted)

Section 2: Hazards Identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the substance or mixture: Eye Irritation - Category 2A

GHS Label Elements:

Hazard pictograms:

Signal Word: Warning

Hazard Statement: H319 - Causes serious eye irritation

Precautionary Statement Prevention:

P280 - Wear eye or face protection: Recommended: Splash goggles
P264 - Wash thoroughly after handling.

Response:

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice or attention.

Storage: Not applicable
Disposal: Not applicable.
Hazard(s) not otherwise classified: None known.

Section 3: Composition/Information on Ingredients

Substance/mixture: Substance
Chemical name: sodium 2-(dodecanoyloxy)propane-1-sulfonate
Other means of identification: Sodium Lauroyl Methyl Isethionate

Ingredient Name	Concentration %	CAS No.
sodium 2-(dodecanoyloxy)propane-1-sulfonate	60-100%	928663-45-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First Aid Measures

If inhaled: Move to fresh air and rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in a recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.
In case of skin contact: Flush immediately with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
In case of eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

If swallowed: Remove dentures if any. Wash out mouth with water. Stop if the exposed person feels sick as vomiting may be dangerous. Remove the person to fresh air and keep at rest in a comfortable position for breathing. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in a recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

Most important symptoms and effects, both acute and delayed:
Potential acute health effects:
Eye contact: Causes serious eye irritation.
Inhalation: No known significant effects or critical hazards.
Skin contact: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.
Over-exposure signs and symptoms:
Eye contact: Adverse symptoms may include the following: pain or irritation, watering, redness.
Inhalation: No specific data.
Skin contact: No specific data.
Ingestion: No specific data.

Indication of immediate medical attention and special treatment needed:
Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments: No specific treatment.
Protection of first-aiders: No action should be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Section 5: Fire-Fighting Measures

Extinguishing media
Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical: No specific fire or explosion hazard.
Hazardous thermal decomposition products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides, metal oxide/oxides.
Special protective actions for firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for firefighters: Firefighters should wear appropriate protective equipment and self-contained breathing (SCBA) with a full face-piece operated in positive pressure mode.

Remarks: Decomposes on heating to high temperatures.
Flash point: Closed cup: 228°C (442.4°F)

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:
For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate the surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled materials.Provide adequate ventilation. Wear a respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency personnel: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in " For non-emergency personnel".
Environmental precautions: Avoid discharge into drains, water courses or onto the ground. Inform the relevant authorities if the product has caused environmental pollution.

Methods and materials for containment and cleaning up:
Large Spills: Move containers from the spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements, and confined areas. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via licensed waste disposal contractor. Note: See Section 1 for emergency contact information and Section 13 for waste disposal.
Small Spills: Move containers from the spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via licensed waste disposal contractor.

Section 7: Handling and Storage

Precautions on safe handling:
Protective measures: Avoid contact with skin. Do not get this material in contact with your eyes. Do not taste or swallow. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains. Do not reuse containers.
Advice on general occupation hygiene: Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in an original tightly closed container protected from sunlight in a cool, dry and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8: Exposure Controls/Personal Protection

Control Parameters:
Occupational exposure limits: None.
Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters, or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures, such as personal protective equipment:
Hygiene measures: Wash hands, forearms, and face thoroughly after handling chemical products, before eating, drinking, smoking, or using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with and approved standard should be used when a risk assessment indicates this is necessary to avoid liquid splashes, mists, gasses, or dusts, If contact if possible, the following protections should be worn, unless the assessment indicates a higher level of protection: chemical splash goggles. Recommended: Splash goggles.

Skin protection:

Hand protection: Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if an at risk assessment indicated this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still remaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. >8 hrs breakthrough time: nitrile rubber, neoprene.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9: Physical and Chemical Properties

Appearance:
Physical state: Waxy solid, flakes or chunks.
Color: White
Odor: Agreeable, slight.
Odor Threshold: Not available
pH: 5.5-7 (@ 10% aqueous)
Melting/Freezing Point: 297.5 °F (147.5 °C)
Boiling Point: Decomposes at >200 °C
Flash Point: Closed cup: 228 °C (442.4°F)
Evaporation Rate: Not available.
Flammability: Decomposes on heating to high temperature.
Upper/lower flammability or explosive limits
Flammability limit/Explosion limit – lower (%): Not available
Flammability limit/Explosion limit – upper (%): Not available
Vapor pressure: No data available
Density: 1.1 g/cm3 [22°C(71.6°F)]
Solubility(ies): Easily soluble in the following materials: hot water.
Soluble in the following materials: cold water.
Solubility in water: 1.66 g/l
Partial coefficient: n-octanol/water: Not applicable.
Auto-ignition temperature: >400°C (>752°F)
Decomposition temperature: >200°C (>392°F)
Viscosity: Not applicable.
Explosive properties: Not available.

Section 10: Stability and Reactivity

Reactivity: No specific test data related to the reactivity available for this product or its ingredients.
Chemical stability: Material is stable under normal conditions.
Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: No specific data.
Incompatible materials: No specific data.
Hazardous decomposition products: Under normal conditions of use, hazardous decomposition products should be produced.

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity:

Ingredient Name	Test	Species	Result	Dose
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 410 Repeated Dose Dermal Toxicity: 21/28-day study	Rat - male, female	LD50 Dermal	>2000 mg/kg
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 401 Acute Oral Toxicity	Rat - male	LD50 Oral	8400 mg/kg

Potential chronic health effects:

Ingredient Name	Test	Species	Result	Dose
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 410 Repeated Dose Dermal Toxicity: 21/28-day study	Rat - male, female	Sub-acute NOAEL Dermal	2.07 g/kg
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 407 Repeated Dose 28-day Oral Toxicity Study in Rodents	Rat - male, female	Sub-chronic NOAEL Oral	>1000 mg/kg
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 408 Repeated Dose 90-day Oral Toxicity Study in Rodents	Rat - male, female	Sub-chronic NOAEL Oral	464 mg/kg

sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 410 Repeated Dose Dermal Toxicity: 21/28-day study	Rat - male, female	Sub-acute NOAEL Dermal	2.07 g/kg

Irritation/Corrosion

Ingredient Name	Test	Species	Result
sodium 2-(dodecanoyloxy)propane-1-sulfonate	-	Rabbit	Eyes - Redness of the conjunctiva 2
sodium 2-(dodecanoyloxy)propane-1-sulfonate	-	Human	Skin - Erythema/Eschar 2

Conclusion/Summary

Skin: Moderate irritant.

Sensitization

Ingredient Name	Test	Species	Result
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 406 Skin Sensitization	Guinea pig	Not sensitizing.

Mutagenicity

Ingredient Name	Test	Experiment	Result
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 471 Bacterial Reverse Mutation test	Experiment: In vitro Subject: Bacteria Metabolic activation: With and Without	Negative
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 473 *in vitro* Mammalian Chromosomal Aberration test	Experiment: In vitro Subject: Mammalian - Animal Metabolic activation: With and Without	Negative
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 476 *in vitro* Mammalian Cell Gene Mutation test	Experiment: In vitro Subject: Mammalian - Animal Metabolic activation: With and Without	Negative

sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 487 *in vitro* Micronucleus test	Experiment: In vitro Subject: Mammalian - Human Metabolic activation: With and Without	Negative
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 471 Bacterial Reverse Mutation test	Experiment: In vitro Subject: Bacteria	Negative

Carcinogenicity: Not listed or classified by IARC, NTP, OSHA, EU, and ACGIH
Reproductive toxicity:

Ingredient Name	Test	Species	Result	Dose
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 421 Reproduction/Developmental Screening test	Rat - male, female	-	Oral: 1000 mg/kg
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 421 Reproduction/Developmental Screening test	Rat - male, female	-	Oral: 1000 mg/kg

Teratogenicity:

Ingredient Name	Test	Species	Result	Dose
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 414 Prenatal Developmental Toxicity Study	Rat	Negative - Oral	1000 mg/kg
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 421 Reproduction/Developmental Screening test	Rat - male, female	Negative - Oral	Oral: 1000 mg/kg

Specific target organ toxicity (single exposure): Not available.
Specific target organ toxicity (repeated exposure): Not available.
Aspiration hazard: Not available.

Section 12: Ecological Information

Toxicity:

Ingredient Name	Result	Species	Exposure
sodium 2-(dodecanoyloxy)propane-1-sulfonate	Acute EC50 46.3 mg/L	Algae	72 hours
sodium 2-(dodecanoyloxy)propane-1-sulfonate	Acute EC50 14.08 mg/L	Daphnia	48 hours
sodium 2-(dodecanoyloxy)propane-1-sulfonate	Acute EC50 >1000 mg/L	Microorganism	3 days
sodium 2-(dodecanoyloxy)propane-1-sulfonate	Acute IC50 >1000 mg/L	Algae	96 hours
sodium 2-(dodecanoyloxy)propane-1-sulfonate	Acute LC50 29.3 mg/L	Fish	96 hours

Persistence and degradability:

Ingredient Name	Test	Result
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 303A Simulation Test - Aerobic Sewage Treatment - Activated Sludge Units	99.77% - 1 day
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 301B Ready Biodegradability - CO2 Evolution Test	90.4% - Readily - 28 days
sodium 2-(dodecanoyloxy)propane-1-sulfonate	OECD 301B Ready Biodegradability - CO2 Evolution Test	83.9% - Readily - 28 days

Ingredient Name	Aquatic half-life	Photolysis	Biodegradability
sodium 2-(dodecanoyloxy)propane-1-sulfonate	-	-	Readily
sodium 2-(dodecanoyloxy)propane-1-sulfonate	-	-	Readily

Bioaccumulative potential: Not available

Mobility in soil:
Soil/water partition coefficient: <20

Section 13: Disposal Conditions

The generation of waste should be avoided or minimized whenever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

Section 14: Transport Information

	DOT Classification	IMDG	IATA
UN Number	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	-	-	-
Additional Information	-	-	-

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15: Regulatory Information

US Federal Regulations
Toxic Substances Control Act (TSCA)
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): All components are listed or exempted..

SARA 302/304
Composition/information on ingredients: No products were found
SARA 311/312:
Classification: Eye Irritation - Category 2A

US State Regulations
Massachusetts: None of the components are listed.
New York: None of the components are listed.
New Jersey: None of the components are listed.
Pennsylvania: None of the components are listed.
California Proposition 65: This product does not require a Safe Harbor warning under California Prop 65.

International Regulations
TSCA: This product either contains a chemical substance that is not listed on the public TSCA Inventory or the TSCA Inventory status of the product has not been evaluated. For FDA uses only.
REACH: Registered for import by authorized entities only.
DSL: All components of this product are on the Canadian DSL
AICS : On the inventory, or in compliance with the inventory
NZIoC : On the inventory, or in compliance with the inventory
ENCS : On the inventory, or in compliance with the inventory
ISHL : On the inventory, or in compliance with the inventory
PICCS : On the inventory, or in compliance with the inventory
IECSC : On the inventory, or in compliance with the inventory

Section 16: Other Information

The information in this publication is believed to be accurate and is given in good faith, but no representation of warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representing of warranty, expressed or implied, is made with respect to information or products including, without limitation, warranties or merchantability, fitness for a particular purpose, non-fringement of any third party patent or other intellectual property rights including, without limit, copyright, trademark and design.