

Safety Data Sheet

Sea Kelp Bioferment Gel | Product Code FL-SKB-LN-FERM-02

1. Identification

Product Name	Sea Kelp Bioferment Gel
Product Code / SKU	FL-SKB-LN-FERM-02
Document Revision	1.0
Effective Date	May 20, 2026
Manufacturer	Formulate Labs, Inc. 1645 Headland Dr. Fenton, MO 63026
Quality Contact	quality@formulate.co Lot issues, complaints, contamination concerns, out-of-spec materials, COA discrepancies.
Regulatory Contact	regulatory@formulate.co INCI, allergens, IFRA, Prop 65, vegan/natural claims, compliance documents, formulation-use questions.
Adverse Effects Reporting	safety@formulatelabs.ai
Emergency Phone Number	888-999-2260
Recommended Use	Cosmetic and personal care raw material for formulation use. Intended for professional formulation and manufacturing use.
Restrictions on Use	Not intended for ingestion, injection, or direct therapeutic use. Finished product marketers are responsible for final formula safety, labeling, preservation, claims, and regional compliance.

2. Hazard(s) Identification

GHS / OSHA Classification	Not classified as hazardous based on currently available information for the mixture and its component concentrations.
Signal Word	Not required.
Hazard Pictograms	None.
Hazard Statements	No GHS hazard statements required. Product may cause mild eye irritation from direct contact. Product may be slippery if spilled.
Precautionary Statements	Use good industrial hygiene practices. Avoid eye contact. Wash hands after handling. Keep container closed when not in use. Clean spills promptly.
Other Hazards	Natural marine-derived raw material. Product has not been fully evaluated for all possible toxicological endpoints.

3. Composition / Information on Ingredients

Ingredient / Chemical Name	CAS #	Function in supplied raw material	Percent by Weight
Lactobacillus/Kelp Ferment Filtrate (Seakelp Bioferment)	92128-82-0	Sea kelp-derived bioferment base / cosmetic raw material	98.000%
Propanediol	504-63-2	Process-integrated preservation solvent / humectant component of Linatural MBS-4	1.700%
Ethylhexylglycerin	70445-33-9	Process-integrated preservation booster / skin-conditioning component of Linatural MBS-4	0.200%
Benzoic Acid	65-85-0	Process-integrated preservative acid component of Linatural MBS-4	0.100%

Linatural MBS-4 is used at 2.00% by weight as a process-integrated preservation system. Component percentages above represent the final raw material composition for safety data disclosure. The recommended cosmetic INCI declaration for the supplied raw material is provided in the TDS and may be a singular INCI record. Final labeling determinations remain the responsibility of the finished product marketer.

4. First-Aid Measures

Exposure Route	Recommended First Aid
Inhalation	Move person to fresh air if mist or vapor exposure causes discomfort. Seek medical attention if symptoms persist.
Skin Contact	Wash with soap and water. Product is intended for cosmetic formulation use, but prolonged or repeated contact with concentrated raw material should be avoided.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting. Seek medical advice if a significant amount is swallowed or symptoms occur.
Most Important Symptoms	Possible mild eye irritation; gastrointestinal discomfort if ingested.

5. Fire-Fighting Measures

Suitable Extinguishing Media	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam as appropriate for surrounding materials.
Specific Hazards	Product is water-based and not expected to be flammable or combustible. Thermal decomposition may produce carbon oxides and irritating fumes.
Protective Equipment	Firefighters should wear self-contained breathing apparatus and protective gear if exposed to combustion products.

6. Accidental Release Measures

- Use caution: spilled gel can create a slip hazard.
- Wear suitable gloves and eye protection for bulk spills.
- Contain spill, absorb with inert material, and place in a suitable container for disposal.
- Prevent large quantities from entering drains or waterways.
- Wash spill area with water after material is removed.

7. Handling and Storage

Handling	Avoid contamination during use. Use clean tools and closed transfer systems where possible. Avoid eye contact and prolonged direct handling. Avoid high shear and excessive heat during formulation.
Storage	Store in tightly closed, opaque containers protected from light. Refrigerated storage at 4-8 °C is recommended to maximize color, viscosity, and microbiological robustness. Avoid freezing and excessive heat.
Shelf Life	Unopened: 24 months at 4-8 °C; 12-18 months at controlled room temperature (20-25 °C) when protected from heat and light. Do not assign shelf life to open or repeatedly exposed containers without in-use controls.

8. Exposure Controls / Personal Protection

Occupational Exposure Limits	No occupational exposure limits established for the mixture.
Engineering Controls	General room ventilation is expected to be adequate for normal handling.
Eye / Face Protection	Safety glasses recommended when handling bulk material.
Skin Protection	Use suitable gloves for repeated or bulk handling.
Respiratory Protection	Not normally required. Avoid generating aerosols or mists.
Hygiene Measures	Handle according to good industrial hygiene and manufacturing practices. Wash hands after handling.

9. Physical and Chemical Properties

Property	Typical Value / Description
Appearance	Clear to translucent, colorless to pale amber viscous gel
Odor	Mild characteristic marine/ferment odor; no added fragrance
pH	Target 4.5-5.1 at 25 °C
Specific Gravity	Approximately 0.98-1.05 g/mL
Solubility	Water-dispersible / water-compatible gel
Flash Point	Not applicable; water-based product
Flammability	Not expected to be flammable
Boiling Point	Not determined; aqueous system
Viscosity	Viscous gel; lot-specific value reported on COA where applicable

10. Stability and Reactivity

Reactivity	No dangerous reactivity known under recommended handling and storage conditions.
Chemical Stability	Stable under recommended storage conditions. Natural color and viscosity may change over time, especially with heat or light exposure.
Conditions to Avoid	High heat, freezing, repeated contamination, direct sunlight, extremes of pH, and high shear mixing.
Incompatible Materials	Strong oxidizing agents, strong bases, and strongly acidic or alkaline conditions.
Hazardous Decomposition	Carbon oxides and irritating fumes under fire or thermal decomposition conditions.

11. Toxicological Information

Endpoint	Information
Acute Toxicity	No mixture data available. Not expected to be acutely toxic under normal industrial handling based on available component information and use concentration.
Skin Corrosion / Irritation	No mixture data available. Not expected to be corrosive.
Serious Eye Damage / Irritation	Direct contact may cause mild temporary irritation.
Sensitization	No mixture sensitization data available.
Carcinogenicity	No component intentionally added at $\geq 0.1\%$ is known by Formulate Labs to be listed by IARC, NTP, OSHA, or ACGIH as a carcinogen based on available formulation review.
Additional Information	Toxicological properties have not been fully investigated. Use with caution appropriate to cosmetic raw materials.

12. Ecological Information

- Ecotoxicity data for the mixture are not available.
- Avoid uncontrolled release to the environment or waterways.
- Product is primarily aqueous and contains marine-derived and biodegradable-compatible components, but no complete biodegradation claim is made for the mixture.

13. Disposal Considerations

Dispose of product and contaminated packaging in accordance with federal, state, and local regulations. Do not discharge bulk product to drains or waterways. Empty containers should be cleaned or disposed of according to site procedures.

14. Transport Information

Mode	Classification
DOT	Not regulated as dangerous goods based on available information.
IMDG	Not regulated as dangerous goods based on available information.
IATA	Not regulated as dangerous goods based on available information.

15. Regulatory Information

Regulation / Program	Status / Statement
OSHA HazCom	Not classified as hazardous under the OSHA Hazard Communication Standard based on available information.
SARA 302 / 304	No intentionally added components known to be subject to emergency planning notification at listed thresholds.
SARA 311 / 312	No SARA hazard categories expected for this mixture.
SARA 313	No intentionally added components known to be reportable under SARA 313 at listed thresholds.
California Proposition 65	No Proposition 65-listed chemicals are intentionally added. Natural marine materials may contain trace environmental constituents; batch or periodic testing should be used where Prop 65 exposure assessments are required.
EU / REACH	See separate REACH/SVHC and regulatory statement where provided.

16. Other Information

Prepared By	Formulate Labs Quality / Regulatory
Issue Date	May 20, 2026
Revision	1.0
Abbreviations	GHS: Globally Harmonized System; OSHA: Occupational Safety and Health Administration; SDS: Safety Data Sheet; COA: Certificate of Analysis; INCI: International Nomenclature Cosmetic Ingredient.
Disclaimer	The information herein is provided in good faith based on current formulation information and available supplier data. It is not a warranty of merchantability or fitness. Users are responsible for determining suitability, safe handling, and compliance for their intended use and jurisdiction.