

BLACK SEA KELP

SAFETY DATA SHEET

SECTION 1: Identification

Product Identifier: Black Sea Kelp
Manufacturer's Address: Southern Organics & Supply, Inc. 4813 East Fork Lane, Monroe, NC 28110
Manufacturer's Contact Information: (704) 283-2457 vermaplex@live.com
Emergency Phone Number: 911
Recommended Use: As a fertilizer or soil amendment, or as an ingredient in fertilizers or soil amendments.

SECTION 2: Hazard Identification

Acute Toxicity, Oral – Category 5	
Signal Word: Warning	
Pictograms 	
Hazard Statements H303: May be harmful if swallowed.	
Precautionary Statements P102: Keep out of reach of children. P103: Read label before use. P312: Call a POISON CENTER or doctor/physician if you feel unwell.	

SECTION 3: Composition Information

Trade Secret	100%
Total	100%

SECTION 4: First-Aid Measures

INHALATION: Remove to fresh air immediately. If victim is not breathing, give artificial respiration. If symptoms develop, seek medical attention.
SKIN CONTACT: Flush skin thoroughly with clean water. If irritation occurs, seek medical attention.
EYE CONTACT: Remove contact lenses. Flush affected eye(s) continuously for 15 minutes with clean water. If irritation or other symptoms develop, seek medical attention.
INGESTION: Drink plenty of water. Do not induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious/unresponsive person.

Symptoms of Exposure
Skin contact may produce skin irritation. Eye contact may produce eye irritation. Ingestion may cause gastrointestinal irritation.
Recommendations for Immediate Medical Care
Remove all residual material if possible. Product is likely to contain naturally-occurring microorganisms, so exposed open wounds or mucous membranes should be cleaned appropriately.

SECTION 5: Fire-Fighting Measures
Suitable Extinguishing Media: Water spray, dry chemical, CO ₂ , foam
Specific Hazards Arising from this Substance: Product is not flammable. However, heating of the product may produce steam, which may present a burn hazard.
Recommendations for Firefighter Protective Equipment: Firefighters should wear self-contained breathing apparatus, operated in positive-pressure mode, as well as appropriate protective clothing.

SECTION 6: Accidental Release Measures
Personal Precautions: Wear waterproof gloves, work clothes, and eye protection. Product is slippery, and spills may be a slip hazard.
Emergency Procedures: Non-essential personnel should be evacuated from spill area.
Methods of Containment: Contain spill with sand dikes, sawdust, or physical barrier.
Cleanup Procedures: Spilled material may be mopped up or absorbed with a suitable absorbent. Collected liquid and used absorbent should be transferred to appropriate containers. It should be disposed of according to local regulations.

SECTION 7: Handling and Storage
Precautions for Safe Handling: Protect open wounds from contact with product. Take precautions to minimize splashing.
Conditions for Safe Storage, Including Incompatibilities: Store indoors at ambient temperature. Store in original container. Keep away from children and pets. Store below 120°F where possible.
Further Information: Use good personal hygiene practices. This substance is made from natural products, and is may contain naturally-occurring microorganisms. Take proper precautions to avoid infection of open wounds and eye irritation. Hygiene practices necessary to prevent health hazards from natural substances such as soil, wood chips, bark, compost, etc. should be observed. After handling product, hands should be washed with soap and water before eating, drinking, smoking, or using toilet facilities.

SECTION 8: Exposure Controls / Personal Protection			
OSHA PEL NDA	ACGIH NDA	TLV NDA	Other Exposure Limits NDA
Engineering Measures: Store indoors at ambient temperature. Store only in original container.			
Eye Protection: Safety glasses or safety goggles should be worn where eye exposure is likely, especially if splashing occurs.			
Hand Protection: Any appropriate waterproof gloves.			
Skin and Body Protection: Normal work clothing.			
Respiratory Protection: None required.			
General Protective and Hygiene Practices: Appropriate local ventilation, where required. Open wounds should be kept clean and protected. After handling material, wash hands before eating, drinking, smoking, or using restrooms. Keep away from foodstuffs and beverages.			

SECTION 9: Physical and Chemical Properties
Physical State: Liquid
Appearance: Brown to brownish-black liquid.
Odor: Earthy.

Odor Threshold: NDA
pH: NDA
Melting/Freezing Point: NDA
Boiling Point/Range: NDA
Flash Point: NDA
Evaporation Rate: NDA
Flammability (solid, gas): NDA
Flammability or explosive limits: Upper: NDA Lower: NDA
Vapor Pressure: NDA
Relative Density: NDA
Solubility: NDA
Partition coefficient; n-octanol/water: NDA
Autoignition Temperature: NDA
Decomposition Temperature: NDA
Viscosity: NDA

SECTION 10: Stability and Reactivity
Reactivity: Inert.
Stability: Stable under normal conditions.
Conditions to Avoid: Keep away from open flames, hot surfaces, and sources of ignition.
Incompatible Materials: Strong acids, strong bases, strong oxidizers, strong reducing agents, water-sensitive materials.
Hazardous Decomposition Products: CO ₂ (carbon dioxide). CO (carbon monoxide).

SECTION 11: Toxicological Information
Likely Routes of Exposure: Possible routes of exposure include eye contact, skin contact, or ingestion.
Effects of Exposure: NDA
LD₅₀: NDA
Description of Symptoms: NDA
NTP/IARC Carcinogenicity: Not listed as a carcinogen.

SECTION 12: Ecological Information
Ecotoxicity: NDA
Biodegradation: Product is a natural material, and will biodegrade.
Octanol-Water Partition Coefficient: NDA
Bioconcentration Factor: NDA
Other Adverse Effects: None.

SECTION 13: Disposal Considerations
For safe handling practices, see Section 8.
Disposal Containers: Material should be disposed of in its original container, where possible. If original container is not available, material may be disposed of in any suitable waterproof closed-top container.
Disposal Methods: Material may be disposed of as organic waste, according to state, local, and federal laws.
Properties Affecting Disposal: None.
Special Precautions for Landfill or Incinerator Disposal: None.
Do not dispose of waste product in sewers, storm drains, lakes, ponds, streams, or other bodies of water.

SECTION 14: Transport Information
UN Number: Unknown

UN Proper Shipping Name: Black Sea Kelp
Transport Hazard Class(es): None
Packing Group Number: N/A
Environmental Hazard(s): None
Guidance on Transport in Bulk: Product may slosh during shipping. Large containers should be well-secured before transport.
Special Precautions: Product may slosh during shipping.

SECTION 15: Regulatory Information
No special regulatory information.

SECTION 16: Other Information
Date Created: August 15, 2017
Last Revision: January 20, 2020
Prepared By: Matthew Banks, Chief Science Officer
Preparer Contact Information: PO Box 2099, Indian Trail, NC 28279 Ph: (704) 283-2457 Fx: (704) 283-2104 E-mail: vermaplex@live.com

(NDA = No Data Available)

NOTE: The information and recommendations contained herein are based upon information believed to be correct. However, no guarantee or warranty, expressed or implied, is offered with respect to the information contained herein. This Safety Data Sheet was prepared to comply with the OSHA Hazard Communication standard (29 CFR 1910.1200). This supersedes any previous versions, and any information therein. Since the actual use of the product is beyond the control of Southern Organics & Supply, Inc., Southern Organics & Supply, Inc., makes no guarantee, expressed or implied, as to the effects of such use, nor does Southern Organics & Supply, Inc. assume any liability arising from use of the products referenced herein. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable under some circumstances. All SDS's are reviewed every 3 years, or sooner, if necessary. Please check the date last revised in Section 16. Please request a new SDS from Southern Organics & Supply if this SDS is more than 3 years old. If clarification is required or desired, please contact the company official(s) listed in Section 1 or Section 16.

Black Sea Kelp

Black Sea Kelp is a nutrient-rich seaweed extract. It provides absorbable plant sugars, naturally-occurring plant growth hormones, amino acids, and potassium. It's an excellent source of organic matter to fortify the soil.

Black Sea Kelp can be applied to flowers, fruit, vegetables, ornamentals, turf, tree and vine crops, field crops, row crops, trees, etc.



States Black Sea Kelp Registered: AL, AZ, CA, CO, DE, FL, GA, ID, IL, KS, LA, MD, MO, NJ, NM, NY, NC, OR, PA, SC, TN, WA, WI

Southern Organics & Supply's OMRI Listed Products

Black Sea Kelp 1-1-10
Coral Calcium
Fish Hydrolysate 2-3-1
Granular Kelp Meal 1-0-2
Liquid Humate Plus
Liquid Yucca Extract
Nutri-Cast 3-4-2
Vermacast 1.1-0.2-0.1
Vermacompost Fine Grade 1.0-0.5-0.5
Vermacompost Standard Grade 1.0-0.5-0.5
Vermamax 4-4-2
Vermaplex 0.48-0.01-0.016



Black Sea Kelp

Organic Liquid Fertilizer

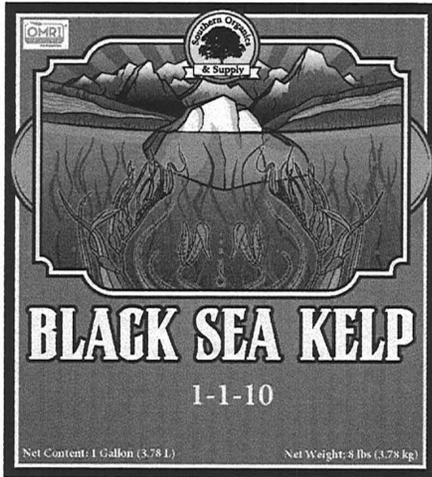


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Black Sea Kelp

Organic Liquid Fertilizer



About Black Sea Kelp:

- Rich in potassium, as well as natural trace elements from seawater.
- Black Sea Kelp is rich in cellulose, an organic molecule which is easily broken down into sugars that can be used by plants and soil microbes.
- Rich in organic carbon which can easily be used by both plants and soil microbes.
- Black Sea Kelp improves water-holding capacity of soils, reducing the need for watering.

Mixing Instructions:

When mixing with water, fill container halfway, then add product and the remaining water.

Gallon Mix: While agitating the solution add 3 fluid ounces of Black Sea Kelp to 1 gallon of water.

Tank Mix: While agitating the solution, add 1 gallon of Black Sea Kelp to 50 gallons of water.

Directions For Use: Shake well before use. Do not store diluted.

Shelf life is 2 years from date of purchase.

Application Rates

Apply 50 gallons of Black Sea Kelp mixture per acre. (40 ounces per 1,000 ft²)

Agricultural: Use the Black Sea Kelp tank mix instructions and apply before planting season and throughout the growing season as needed.

Germinating Seeds: Use the Black Sea Kelp gallon mix instructions, and apply after you have your seeds sown. If seeds need to be soaked, use the Black Sea Kelp mixture.

Turf/Lawn: Use the Black Sea Kelp tank mix instructions and apply monthly during growing season and again in late fall.

Nursery/Greenhouse: Use the Black Sea Kelp gallon mix instructions and apply as if regularly watering up to four times a year.

Hydroponic Gardens: Use the Black Sea Kelp gallon mix instructions and apply after plants are established, monthly.

Guaranteed Analysis:

Total Nitrogen (N).....1.0%

1.0% Water Soluble Nitrogen

Available Phosphate (P₂O₅).....1.0%

Soluble Potash (K₂O).....10.0%

Derived from: Ascophyllum Nodosum,
Potassium Hydroxide.



For Organic Use

Product Sizes Available:

1 Gallon 2.5 Gallons 5 Gallons

55 Gallons 275 Gallons