

Material Safety Data Sheet

Company name: Bionat S.A.L

Date issued: 26/6/2023

Product Name: BIOFERT

Manufacturer: BIONAT

Product Type: Organic Solid Fertilizer

Product Use: Agriculture & Landscaping

Product Description:

BioFert is derived from multiple fermentation cycles of goat manure and seaweed. It is prepared through a proprietary process with a focus on reinforcing the product with beneficial biologicals. The consortium of beneficials is stable and do not antagonize one another. BioFert is solid material and prepared from the manure of Free-Range goats only.

Composition & Characteristics As Per AUB Laboratory Tests:

PH (1:10)	6-7		Absorbable Calcium (Ca ²⁺)	5-6 (%)
TOTAL N	2-3 (%)		Total Magnesium (Mg ²⁺)	0.75-1 (%)
TOTAL P ₂ O ₅	1.5-2 (%)		Sulfur (SO ₃ ⁻)	3-5 (%)
Total K ₂ O	2-3 (%)		Chelated EDTA Iron (Fe)	0.12 (%)
Moisture Content	20-30 (%)		Chelated EDTA Zinc (Zn)	0.2 (%)
Organic matter	60 (%)		Chelated EDTA Copper (Cu)	0.35 (%)
Humic Extracts	8-10 (%)		Chelated EDTA Manganese (Mn)	0.35 (%)
Beneficial Biologicals	2 billion / 100 grams		Chelated EDTA Boron (B)	0.05 (%)

Recommended Rates & Uses:

Context of Use	Rate of Application
Nurseries & Propagation	5L Biofert to 25L soil medium for planting trays
Indoor Plants & Ornamentals	3,4 or 5 cups as per the Label on the bag
Agricultural Production	1000 kilograms of BioFert to 1 dunum of land



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PHYSICAL AND CHEMICAL PROPERTIES

Flammability Limits: NO
Odor: NO
Odor Threshold: Unknown
Vapor Pressure: Unknown
Vapor Density: Unknown
Evaporation Rate: 100 degrees
Flammability: Unknown

Melting Point: Unknown
Freezing Point: -10 degrees
Solubility in Water: yes
Initial Boiling Point: Unknown
Flash Point: Unknown
Flammability: none
Viscosity: liquid

Hazard Group: Health

Hazard Classes: Skin Corrosion/Irritation (Category 3) Mild Eye Damage/Eye Irritation (Category 3A) May be harmful if swallowed and enters airways.

May cause an allergic skin reaction

May be harmful if inhaled.

May cause respiratory irritation.

Precautionary Statements

Wash skin thoroughly after handling

Avoid breathing dust.

Use a particle mask and nitrile gloves under normal conditions

If on skin: wash with plenty of soap and water

If inhaled: remove person to fresh air and keep comfortable for breathing.

If in eyes: rinse cautiously with water for several minutes

If skin irritation or rash occurs, wash area thoroughly and receive medical attention.

Store in a dry place. Avoid excessive humidity or moisture.

Dispose of contents in a compost pile, garden, or landfill in accordance with local, state, and federal regulations.

Handling and Storage

Safe Handling: Wear gloves and a particle mask when handling and transporting. Avoid excessive humidity, contact with moisture, and extreme temperatures to retain product functionality. There are no known incompatibilities with this material.

Stability and Reactivity

Reactivity: No specific test data is currently available

Stability: Product is stable under normal temperatures and conditions

Conditions to Avoid: Extreme temperatures and excessive moisture.

Required Stabilizers: None

Incompatibility: None currently known

Hazardous Decomposition: None currently known.

Hazardous Polymerization: Will not occur.

Hazardous Reactions: None currently known.

Ecological Information

Ecotoxicity: Currently unknown

Bioaccumulation Potential: Currently unknown

Mobility in Soil: Currently unknown

Other Adverse Effects: No other adverse environmental effects are expected from this product.

Transport Information

DOT: Not regulated as dangerous goods

Transport Hazard Class: Not regulated as dangerous goods.

Environmental Hazards: None known.

Guidance on Bulk Transport: Use best known practices when shipping in bulk.

Special Precautions: None known.

Possibility of packing: 5L

Other Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.