

Biosorb, Inc.

Safety Data Sheet

THIS SAFETY DATA SHEET MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200(g) revised in 2012.

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **FertiGlu™**

Manufacturer's Name: Biosorb, Inc.

Address: 5988 Mid Rivers Mall Drive, Suite 124, St. Charles, MO 63304-7119

Telephone: 636-936-1400

Emergency Phone: 636-936-1400

Recommended Use: Fertilizer Biostimulant Grain Derived Emulsion for agriculture, horticulture, ornamental, specialty crop, forestry and environmental use.

II. HAZARDS IDENTIFICATION

Hazard Classification: Irritant (Skin & Eye) and Skin Sensitizer. Lowest Hazard Level of 4.

Signal Word: Irritant (Skin and Eye). Skin Sensitizer.

Hazard Statements:

Based on current available data, this product does not meet the regulatory definition of a physical hazardous substance; however, good industrial hygiene practices should be used when handling it.

Routes of Exposure

Skin Contact: Minimal Hazard level of 4.

Eye Contact: Minimal Hazard level of 4.

Ingestion: Consult a physician.

Pictograms:



Irritant (Skin & Eye), Skin Sensitizer.

Precautionary Statements: Consult a physician in case of ingestion.

Product is not listed as carcinogen or potential carcinogen, NTP, IARC, OSHA.

Product is not considered a physical hazard under any domestic or international transportation regulations. Product has no restrictions for air freight or for commercial air transportation.

III. COMPOSITION/INFORMATION ON INGREDIENTS

FertiGlu™ Proprietary Biocar® (US Patent #5,888,500) natural microsponges.

IV. FIRST AID MEASURES

Inhalation: Move to fresh air and call a physician if symptoms persist.

Skin Contact: Immediately flush skin with water. Seek medical attention if irritation develops or persists.

Eye Contact: Rinse immediately with water for at least 15 minutes. Seek medical attention if irritation develops or persists.

Ingestion: Consult a physician.

Notes to Physician: Based on current available data, this product does not meet the regulatory definition of a physical hazardous substance.

V. FIRE-FIGHTING MEASURES

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Flash Point: No data available

Lower Explosion Limit: Not applicable

Upper Explosion Limit: Not applicable

Unusual Fire and Explosion Hazard: None

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Safety goggles are recommended for protection against entering the eyes when handling **FertiGlu™**.

Follow good housekeeping procedures when handling **FertiGlu™**.

Cleanup and Disposal Methods:

For small spills, mop up **FertiGlu™** and discard.
For large spills, recover **FertiGlu™** for use or disposal.

Dispose of waste as for any non-hazardous material.
Observe all applicable regulations.

VII. HANDLING AND STORAGE

Handling: Avoid direct or prolonged contact with skin or eyes.

Storage: Store in tightly closed fluorinated HDPE (high density polyethylene) or PET (polyethylene terephthalate) containers. Store in a clean area that is well ventilated at a temperature greater than 1 degrees Celsius (34 degrees F) and less than 55 degrees Celsius (131 degrees F).

VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: No exposure limits have been determined for **FertiGlu™**. **FertiGlu™** is not a physical hazard; however, because specific work environments and material handling practices vary, safety procedures should be developed for each application.

Personal Protective Equipment: Eyes/Skin Wear goggles and/or face shield if splashing is possible.

Personal Protective Equipment: Skin Wear appropriate clothing and immediately flush skin with water if in contact with **FertiGlu™**. Seek medical attention if irritation develops or persists.

Personal Protective Equipment: Respiratory No equipment normally used if area has adequate ventilation.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light Tan Liquid
Flammability/Explosive Limits:	Not Available
Odor:	Grain-like
Vapor Pressure:	Not Applicable
Odor Threshold:	Not Available
Vapor Density:	Not Applicable
pH (As is):	Not Applicable
(2% in water):	5-7
Relative Density:	0.96
Melting Point:	Not Applicable
Solubility in Water:	Miscible
Initial Boiling Point/Range:	Not Applicable
Flash Point:	Not Available
Evaporation Rate:	Not Applicable
Partition Coefficient: n-octanol/water:	Not Applicable
Auto-ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity	Not Available

X. STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions

Conditions to Avoid: Avoid exposure to decomposition products

Incompatibility: Avoid strong oxidizing agents and alkalies.

Hazardous Decomposition: **FertiGlu™** is stable and has not been found to undergo any hazardous polymerization.

XI. TOXICOLOGICAL INFORMATION

Carcinogenicity: **FertiGlu™** is not listed as carcinogen or potential carcinogen, NTP, IARC, OSHA.

Mutagenicity: This product class is non-mutagenic.

LD50 Value: No data available.

XII. ECOLOGICAL INFORMATION

Ecotoxicity: No data available on finished product.

Environmental Fate: This product is biodegradable.

XIII. DISPOSAL CONSIDERATIONS

Disposal Instructions: Dispose of waste as for any non-hazardous material.
Observe all applicable regulations.

XIV. TRANSPORT INFORMATION

DOT Proper Shipping Name: Refer to bill of lading or container label for DOT information.
FertiGlu™ is not a physical hazard and has no shipping restrictions.

XV. REGULATORY INFORMATION

Workplace Classification: This product is not a physical hazard and is the lowest level health hazard (Level 4) for eye and skin irritation under the OSHA Hazard Communication Standard (29 CFR 1910.1200(g))

XVI. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide 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.