

**Biosorb, Inc.**  
Biocarrier Products

# 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: **Biocar®301**

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: Grain Derived Inert Carrier

## 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: **Biocar®301** should be classified as a "Nuisance Dust" with the following time weighted average permissible exposure limits (PEL's):

Total Dust:	15 mg/m <sup>3</sup>
Respirable Fraction:	05 mg/m <sup>3</sup>

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

**Biocar®301** Natural microsponges (US Patent #5,888,500) made from cereal grain residues

### IV. FIRST AID MEASURES

Inhalation: Move to fresh air. Give artificial respiration if breathing has stopped and call a physician.

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: Drink large quantities of water and consult a physician.

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

### V. FIRE-FIGHTING MEASURES

Extinguishing Media: **Biocar®301** is combustible and produces a Class "A" Fire. Use water or carbon dioxide to extinguish.

Flash Point: No data available

Lower Explosion Limit: Not applicable  
Upper Explosion Limit: Not applicable

Unusual Fire and Explosion Hazard: Significant quantities of airborne **Biocar®301** dust may present moderate risk for dust explosion

### VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Follow good housekeeping procedures when handling **Biocar®301**.

Cleanup and Disposal Methods:

For small spill, sweep up **Biocar®301** and discard.  
For large spills, recover **Biocar®301** for use or disposal.

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

## VII. HANDLING AND STORAGE

Handling: Handle **Biocar®301** as for any non-hazardous material.

Storage: Store in tightly closed containers. Store in a clean area that is well ventilated.

## VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: PELs have been determined for **Biocar®301**.

Total Dust: 15 mg/m<sup>3</sup>

Respirable Fraction: 05 mg/m<sup>3</sup>

Personal Protective Equipment: Eyes/Skin Wear goggles to protect from dust entering the eyes.

Personal Protective Equipment: Skin Wear appropriate clothing when working with **Biocar®301**. Seek medical attention if irritation develops or persists.

Personal Protective Equipment: Respiratory Dust masks for protection against nuisance dust should be used when handling **Biocar®301** in areas of poor ventilation.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light Tan Powder
Flammability/Explosive Limits:	Not Available
Odor:	Grain-like
Vapor Pressure:	Not Applicable
Odor Threshold:	Not Available
Vapor Density:	Not Applicable
pH (As is): (2% Slurry)	Not applicable 7-8
Relative Density:	0.32 – 0.56 kg per liter (bulk density)
Melting Point:	Not Applicable
Solubility in Water:	Not Soluble
Initial Boiling Point/Range:	Not Applicable
Flash Point:	Not Available
Evaporation Rate:	Not Applicable
Partition Coefficient: n-octanol/water:	Not Applicable
n-octanol/water:	Not Applicable
Auto-ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity	Not Available

## X. STABILITY AND REACTIVITY

Chemical Stability:	<b>Biocar®301</b> is stable and will not undergo hazardous polymerization.
Conditions to Avoid:	Avoid unventilated areas.
Incompatibility:	Avoid strong oxidizing agents and alkalies.
Hazardous Decomposition:	<b>Biocar®301</b> is stable and will not undergo hazardous polymerization.

## XI. TOXICOLOGICAL INFORMATION

Carcinogenicity:	<b>Biocar®301</b> 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.
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## XIV. TRANSPORT INFORMATION

DOT Proper Shipping Name:	Refer to bill of lading or container label for DOT information. <b>Biocar®301</b> is non-hazardous.
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## 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))
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## 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.