Biosorb Inc.
TopFilm™

Lowering the Chemical Load on the Environment for Conservation
www.Biosorb-Inc.com
Biosorb Inc.
St. Charles, Missouri, USA

- Products made in the USA
- Using grain materials from the USA

Our Products and Trademarks:
Biosorb®, Biocar®, HydraClear®, TopFilm™, TopFilm-F™
2018 Update for Biosorb Inc.

- Microsponge™ Sticker
- Biocar® Products – Dry absorbers
- TopFilm™
- TopFilm-F ™
- Organic Certification
What is a Microsponge™ Sticker?

Dry Form
Biocar®

Liquid Form
TopFilm™
Adjuvant – STICKER (not a surfactant)

- Natural-based Sticker
- Rainfastness
- Weatherability
What is the difference between surfactant and sticker?

Surfactant = Molecule

Microspunge™ = Matrix

30 Angstroms
Or
30 x 10^-10 Meters

100 Microns
Or
100 x 10^-6 Meters

10,000 Times Bigger
Addition of Natural-Based Sticker:

- Glyphosate with surfactant
- Glyphosate with surfactant and TopFilm™ sticker
Invasive Aquatic Weeds Managed By Charlotte County Florida Using Biosorb Microspponge Products - TopFilm™

**Emergent weeds**
- Primrose (Ludwigia hexapetala)
- Cattails (Typha latifolia)
- Alligator weed (Alternanthera philoxeroides)
- Spatterdock (Nuphar advena)

**Submerged**
- Hydrilla (Hydrilla verticillata)
- Ambulla (Limnophila sessiflora)
- East Indian Hygrophila (hygrophila polysperma)
- Bladderwort (Utricularia aurea)

**Floating**
- Water Lettuce (Pistia stratiotes)
- Duckweed (Lemna minor)
- Water Hyacinth (Elkhoria crassipes)
- Salvinia (Salvinia minima)

**Upland Vegetation**
- Brazilian Pepper (Schinus terebinthifolius)
- Melaleuca (M. quinquenervia)
- Australian Pine (Casuarina equisetifolia)
- Rose Myrtle (Rhodomyrtus tomentosa)

**Algae**
- Musk grass (Chara)
- Blue-green (Cyanobacteria)
- Filamentous Species

From: ICAIS, October 2017
Comparison of Kill Time Using Three Formulations on Aquatic Weed Assemblages in Oyster Park

Estimated Kill Time (Days)

From: ICAIS, October 2017
Port Charlotte Results

Vines – Herbicide Treatment Progression

Pre-Treatment 6/2/2016

Glyphosate with TopFilm™ 6/17/2016 – 15 DAT

0 Days

7 DAT

15 DAT

From: ICAIS, October 2017
TopFilm™ - Natural-based Sticker
with Microbial Treatments in Wastewater from Dairy Farm
**Biocar® 301**

Natural Grain Based Biocarrier
US Patent #5,888,500

**Biocar® 301** is a grain-derived natural based inert carrier used for absorption of biological and chemical derived active ingredients, Microsponge™ technology.

**Biocar® 301** is a natural product that can absorb large amounts of liquids.

**IRRITANT (SKIN & EYE) GHS LEVEL 4**
SKIN SENSITIZER GHS LEVEL 4
GHS Level 4 is the Least Hazardous

**First Aid**

**If Swallowed:**
Do not induce vomiting.
Get medical help.

**If on Skin:**
Thoroughly wash area with soap and water. Remove contaminated clothing. Launder clothing before re-use.

**In Eyes:**
Flush with large amounts of water. Get medical attention.

**Biosorb, Inc.**
5880 Mid Rivers Mall Drive
St. Charles, MO 63304 USA
636.936.1409
www.Biosorb-Inc.com

**Conditions for Sale**

We warrant that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal conditions.

THERE ARE NO OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions or conditions not reasonably foreseeable to seller, and buyer assumes all risk of any such use.

Lot Number: Example
Net Weight: 100 lbs
EPA Establishment # 071831-MO-001
Biocar® - Dry Product Line of Microsponges™

• Being used for Biological Pesticides
• Protects microorganism from exposure
• Makes microorganism stick to target
• Increases virulence
TopFilm® is a liquid foliar fertilizer, derived from cereal grain materials with inherent natural amino acids that provide nutritional biostimulants.

TopFilm® can be used in traditional agriculture, horticulture, ornamental, specialty crop production, as well as in forestry use.

Microsponge™ technology in TopFilm® reduces the wash-off due to rainfall and overhead irrigation.

SKIN & EYE IRRITANT - GHS LEVEL 4
SKIN SENSITIZER - GHS LEVEL 4

GHS* Level 4 - Minimal Risk

In Case of Ingestion:
Do not induce vomiting. Get medical help.

In Case of Skin Contact:
Wash skin area with soap and water. Remove contaminated clothing and wash clothing before reuse.

In Case of Eye Contact:
Thoroughly wash eyes with plenty of water. Get medical help.

*GHS signifies Global Harmonized System

Manufactured by:
BIOSORB, INC.
St. Charles, MO USA
www.Biosorb-Inc.com
Tel: 656 936 1400

TYPICAL ANALYSIS:
N - organic: 0.4 %
P: 0.2 %
K: 0.1 %
Amino Acid Content: < 3.0 %

USE RATES: 300 ml to 1200 ml per Hectare.

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Net Content: 208 Liters
Lot Number: 041052815
TopFilm™

Microspone™ Adjuvant – For Aquatic & Terrestrial Use
Natural Based Product Containing Patented Biocar® Technology

Active Ingredient: Biocar®

TopFilm™ is a liquid biocarrier that retains applied ingredients on the surface of the plant minimizing wash-off and improving rainfastness.

Directions for Use
Shake well.
Use ¼ to 1 pint per Acre.
Add to spray solution while agitating.

Biosorb, Inc.
5988 Mid Rivers Mall Drive
St. Charles, MO 63304
(636) 936-1400

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Lot # Sample
Net Contents: 2.5 Gallons
CONFIRMATION OF COMPATIBILITY
for the use of inputs in organic agriculture

Issued to: Ilonoro Inc.
2988 Mid Rivers Mall Drive,
Suite 124, Saint Charles,
Missouri 63304, USA.

Document No. A-2013-0411/2017-03169/0163

This document confirms that the commercial product
TopFilm™
produced and distributed by the company above mentioned have reached the following result:

The final product is compatible with organic production as adjuvant (for use with pesticides only), according to the requirements of

- USDA/NOP Final rule (USA) §305.60(m)(2).

The inspection and evaluation of the production process was carried out by Kiwa BCS Öko-Garantie at its office in San José, Costa Rica. Kiwa BCS is an EU-accredited inspection and certification body, supervised by 16 German state authorities. In addition, Kiwa BCS is accredited by the US authority USDA to certify according to the NOP Final Rule and as a Registered Foreign Certification Company by the Japanese Ministry for Agriculture, Forestry and Fisheries to certify according to the Japanese Agricultural Standard for Organic Agricultural Products (JAS/MAFF).

This confirmation does not constitute any guarantee, neither of product quality nor of the efficiency of this product in agriculture. Kiwa BCS will not be responsible for any change of ingredients or in the labelling information which has not been properly and correctly amended by the producer of the input, who has to cover the full liability for all damages and disadvantages. This document only confirms that the use of this product in its present character and composition, according to the criteria applied, can be considered as equivalent to the requirements in the above mentioned regulations.

It remains the obligation of the distributing company to carry out the respective legal steps for the official registration of this product. It is expressly stated that the official registration of the product in each country where it is sold, cannot be replaced by this confirmation.

Hunenburg, May 04th, 2017

Validity of document, until May 31st, 2018

KIWA BCS ÖKO-GARANTIE GMBH

Kornentorgraben 3, 90402 Nuremberg, Germany / Phone: +49 (0)911 42 43 9-0, Fax: +49 (0)911 42 43 9-71

for Prof. Dr. Roland Hiotti
General Manager

TopFilm™ has International Organic Certification
In Summary: With the Microsponge™ System - TopFilm™ and Biocar®

- Make your application stick
- Reduce the number of spray frequencies
- Increase herbicide/algaecide contact time
- Maximize the treatment effect

Lower the Chemical Load on the Environment – Protect Our Water
Thank You!