



## Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

U.S. DOL, OSHA, 29 CFR 1910.1200 (OSHA Hazard Communication Standard)

Trade name: Ovacore™, BiovaFlex®, BiovaDerm®, BiovaPlex®, BiovaBio™

Product No's: 309, 323, 326, 330, 321, 313, 322, 329

Version: 1.1

QA054-F

Revised: 06.02.2017

Supersedes: 11.08.2016

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

**1.1 Product identifier:** Eggshell Membrane Powder

**1.1.1 Substances**

Substance name: Eggshell Membrane Powder

CAS No.: 227025-35-6

Index No: NA

EC No: NA

REACH Registration No: NA

A registration number is not available for this substance/mixture as the substance/mixture or its uses are exempted from registration, the annual tonnage does not require registration or the envisaged for a later registration deadline.

**1.1.2 Other means of identification:**

Soluble Eggshell Membrane Powder  
Hydrolyzed Eggshell Membrane Powder  
Protein Hydrolyzates, Egg Shell Membrane

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**1.2.1 Relevant identified uses**

A high quality dietary supplement ingredient used to support joint health and flexibility for human and animal consumption. It can also be used as a cosmetic agreement.

**1.3 Details of the supplier of the safety data sheet:**

**Supplier:**

Company: Biova LLC  
2325 North Loop Drive Suite 6400  
Ames, IA 50010  
Telephone: +1 (877) 682-2673  
E-Mail: [CPeters@biova.com](mailto:CPeters@biova.com)

**1.4 EMERGENCY TELEPHONE NUMBER:**

Emergency: +1 (515) 218-1571  
Hours of Operation: Monday – Friday 8 am to 5 pm (CDT)

### SECTION 2: Hazards identification

**2.1 Classification of the substance or mixture:**

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

Not a hazardous substance according to Regulation (EC) No 1272/2008.



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### Classification according to EU Directives 67/548/EEC or 1999/45/EC

This substance is not classified as dangerous according to Directive 199/45/EC.

### OSHA Regulatory Status

Not Regulated.

### Carcinogenicity

None listed per OSHA, NTP, or IARC

## 2.2 Label elements:

### Labeling according to Regulation (EC) No 1272/2008

This product does not need to be labeled in accordance with EC directives or respective national laws.

## 2.3 Other hazards:

None

## SECTION 3: Composition/information on ingredients

### 3.1 Substances:

SUBSTANCE	%CONTENT RANGE	INDEX NO.	REACH REGISTRATION NO.	EC NO.	CAS NO.
PROTEIN	≥ 85%	NA	NA	NA	NA
ASH	≤ 10%	NA	NA	NA	NA
MOISTURE	≤ 10%	NA	NA	NA	NA

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### 4.1.1 Following inhalation:

Remove to fresh air. Contact physician if difficulty breathing or allergy.



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**4.1.2 Following skin contact:**

Rinse with soap and water. Contact a physician if irritation or allergy.

**4.1.3 Following eye contact:**

Flush with copious amounts of water. Contact physician if irritation or allergy.

**4.1.4 Following ingestion:**

Not Applicable.

**4.1.5 Self-protection of the first aider:**

Not Applicable.

**4.2 Most important symptoms and effects, both acute and delayed**

Possible irritant to those with an egg allergy.

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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media:**

Suitable extinguishing media:

Water

Extinguishing methods appropriate to local circumstances and surrounding environment.

**5.2 Special hazards arising from the substance or mixture:**

Hazardous Combustion Product: Not Established

**5.3 Advice for fire-fighters:**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Additional Information.**

Flash Point: Not Applicable

Flammable Limits: Not Applicable

Unusual Fire or Explosion Hazards: Not Applicable

Special Fire Fighting Procedures: Not Applicable

Auto-Ignition Temperature: Not Applicable

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

**6.1.1 For non-emergency personnel:**

Use personal protective equipment as defined in section 8. Ensure proper ventilation to avoid excessive inhalation.



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**6.1.2 For emergency responders:**

Use personal protective equipment appropriate to circumstances.

**6.2 Environmental precautions:**

Manually collect as much powder as possible and avoid excessive amounts entering drains.

**6.3 Methods and material for containment and cleaning up:**

**6.3.1 For cleaning up:**

Manually collect majority of the powder in appropriate receptacle and flush the remainder with water and detergent.

**6.4 Reference to other sections:**

For disposal see section 13.

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### SECTION 7: Handling and Storage

**7.1 Precautions for safe handling:**

**7.1.1 Protective Measures:**

See section 8 for personal protective equipment. Ensure proper ventilation to avoid excessive inhalation of dust.

**7.1.2 Advice on general occupational hygiene:**

Use occupational hygiene appropriate for the manufacturing facility.

**7.2 Conditions for safe storage, including incompatibilities:**

**Technical measures and storage conditions:**

Store in properly labeled, sealed containers.

**Requirement for storage rooms and vessels:**

Avoid excessive heat and humidity. Temperatures in excess of 125°F and 95% humidity can lead to protein degradation and encourage microbial proliferation.

**7.3 Specific end uses:**

No other specific uses are stipulated outside of those mentioned in section 1.2.

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### SECTION 8: Exposure controls/personal protection

**8.1 Control parameters:**

Not Applicable



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### 8.2 Exposure controls:

#### 8.2.1 Appropriate engineering controls:

Handle in accordance with good manufacturing practice and safety practice.

#### 8.2.2 Personal protective equipment:

##### 8.2.2.2 Eye/Face protections:

Use splash safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

##### 8.2.2.3 Skin protection:

Optional – Handle with gloves. Dispose of contaminated gloves in accordance with applicable law and good manufacturing practice. Wash and dry hands.

##### 8.2.2.4 Respiratory protection:

Optional – Use NIOSH approved respiratory mask.

##### 8.2.2.5 Thermal hazards:

Not Applicable

#### 8.2.3 Environmental exposure controls:

Not Established

#### 8.2.4 Consumer exposure controls:

Not Applicable

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties:

9.1.1	Appearance:	Off-white to cream colored powder
9.1.2	Odor:	No odor
9.1.3	Odor Threshold:	Not applicable
9.1.4	pH:	6.5 – 7.6
9.1.5	Vapor Pressure:	Not available
9.1.6	Vapor Density:	Not available
9.1.7	Solubility in Water:	Soluble
9.1.8	Freezing/Melting Point:	Not available
9.1.9	Boiling Point:	Not available
9.1.10	Evaporation Rate:	Not available
9.1.11	Flammability:	Not available
9.1.12	Explosive Limits:	Non explosive



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9.1.13	Upper/Lower Flammability:	Not spontaneously flammable
9.1.14	Relative Density:	Not available
9.1.15	Partition Coefficient:	Not available
9.1.16	Decomposition Temperature:	Not available
9.1.17	Viscosity:	Not available
9.1.18	Percent Volatile per Weight:	0%
9.1.19	Explosive Properties:	Not available
9.1.20	Oxidizing Properties:	Not available

### 9.2 Other Information:

None

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity:

No data available.

### 10.2 Chemical Stability:

Product is stable.

### 10.3 Possibility of hazardous reactions:

No data available.

### 10.4 Conditions to avoid:

No data available.

### 10.5 Incompatible materials:

No data available.

### 10.6 Hazardous decomposition products:

No data available.

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## SECTION 11: Toxicological Information Toxicokinetics, metabolism and distribution

### 11.1 Information on toxicological effects

#### 11.1.1 Acute toxicity:

No available data

#### 11.1.2 Skin Irritation:

Mid Irritant (Primary Dermal Irritation in Rabbits)



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- 11.1.3 Ocular Irritation:**  
Suspect Irritant (Primary Ocular Irritation in Rabbits)
  - 11.1.4 Oral Toxicity:**  
Not Toxic (Acute Oral Toxicity in Rats)
  - 11.1.5 Respiratory or Skin sensitization**  
No data available
  - 11.1.6 Germ cell mutagenicity**  
No data available
  - 11.1.7 Carcinogenicity**  
No data available
  - 11.1.8 Reproductive toxicity**  
No data available
  - 11.1.9 Specific target organ toxicity – single exposure**  
No data available
  - 11.1.10 Specific target organ toxicity – repeated exposure**  
No data available
  - 11.1.11 Aspiration hazard:**  
No data available
  - 11.1.12 Potential health effects**  
No data available
  - 11.1.13 Signs and symptoms of exposure**  
No data available
- 

### SECTION 12: Ecological Information

- 12.1 Toxicity**  
No data available
- 12.2 Persistence and degradability**  
No data available
- 12.3 Bioaccumulative potential**  
No data available



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**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

No data available

**12.1 Other adverse effects**

No data available

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### SECTION 13: Disposal considerations

**13.1 Waste treatment methods:**

Waste must be disposed of in accordance with local, state, and federal environment control regulations.

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### SECTION 14: Transport information

**14.1 UN number**

Not applicable

**14.2 UN Proper shipping name**

**DOT: Not considered hazardous**

**IATA: Not considered hazardous**

**14.3 Transport hazard class(es):**

Not applicable

**14.4 Packing group**

Not applicable

**14.5 Environmental hazards:**

Not applicable

**14.6 Special precautions for user:**

Not applicable

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

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### SECTION 15: Regulatory information

This material safety data sheet complies with the requirements of Regulation (EC) No 1907/2006.

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.**

No data available

**15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out.

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### SECTION 16: Other Information

The information is furnished without warranty, representation, inducement, or license of any kind, except that it is believed accurate to the best of our knowledge, or obtained from sources believed to be accurate. Biova LLC does not assume any legal responsibility for use or reliance upon same. Customers are encouraged to conduct their own tests.