



# Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2020/878

Revision Date: 28-06-2023

This document replaces SDS dated: 12-06-2023

## BIOLIGO GL-5700 IMF

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

#### 1.1 Product identifier:

Product Name: BIOLIGO GL-5700 IMF

#### Other means of identification:

Chemical family: Polysaccharide

UFI Number:

REACH Registration Number: This product is exempt from REACH

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified use: Food products

Uses advised against: Not Available

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

The relevant Ingredion EMEA Company which invoices for the Product – please see Section 16

e-mail address of competent person responsible for the SDS:

Regulatory.emea@ingredion.com

#### 1.4 Emergency telephone number:

EMERGENCY TELEPHONE: +1 703-741-5970 / 1-800-424-9300

### SECTION 2: Hazards identification

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

Classification according to Regulation (EC) No 1272/2008 (CLP): Not classified as hazardous in accordance with CLP

#### 2.2 Label elements:

Hazard pictograms:

No hazard symbols required

Signal word:

No Signal Word needed.

Hazard statements:

No Hazard Statement needed.

Precautionary statements:

No Precautionary Statement needed.

Supplemental Hazard information (EU):

No Supplemental Hazard Information available

#### ADDITIONAL INFORMATION:

% unknown toxicity (Dermal):

35.5 % of the mixture consists of ingredients of unknown toxicity

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### 2.3 Other hazards:

This substance/mixture contains no components considered to be an endocrine-disrupting substance at levels of 0.1% or higher. Not expected to be PBT or vPvB.

### SECTION 3: Composition/information on ingredients

**3.1 Substances:**  
 Not applicable

**3.2 Mixtures:**

Substance Name	Concentration (% by weight)	CAS No.	EC No. REACH Registration No.	Classification according to Regulation (EC) No 1272/2008 (CLP)	M-factor	SCL	ATE	Nanofor m Material
This product is not classified as hazardous								

For full text of H-statements, see SECTION 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures:

Inhalation: First aid is not normally required.

Eye Contact: Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. If symptoms develop, obtain medical attention.

Skin Contact: Wash skin with soap and water.

Ingestion: Treat symptomatically and supportively. Get medical attention.

Self protection of the first aider: No data available

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- 4.2 Most important symptoms and effects, both acute and delayed:** Not considered as hazardous.
- 4.3 Indication of any immediate medical attention and special treatment needed:** No further first aid information is available.

### SECTION 5: Firefighting measures

- 5.1 Extinguishing media:**
- Suitable extinguishing media: Water spray or fog, CO<sub>2</sub>, Dry Chemical.
- Unsuitable extinguishing media: None known.
- 5.2 Special hazards arising from the substance or mixture:** Non-combustible.
- Hazardous combustion products: This product does not undergo spontaneous decomposition. Typical combustion products are carbon dioxide, carbon monoxide, and smoke.
- 5.3 Advice for firefighters:** No special procedures are required.

### SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:**
- Non-emergency personnel: Non-emergency personnel should be kept clear of the area.
- Emergency responders: Use personal protective equipment as required.
- 6.2 Environmental precautions:** Not available
- 6.3 Methods and material for containment and cleaning up:** Adsorb spillages onto sand, earth or any suitable adsorbent material. Wash the spillage area with water. Washings must be prevented from entering surface water drains. Disposal should be in accordance with local, state or national legislation.
- 6.4 Reference to other sections:** See section 8 for appropriate personal protective equipment. See section 2 and 7 for additional information on hazards and precautionary measures.

### SECTION 7: Handling and storage

- 7.1 Precautions for safe handling:** As with all chemicals, good industrial hygiene practices should be followed when handling this material.
- 7.1.1 Recommendations for safe handling: Prevent handling of incompatible substance or mixtures. Take measures to prevent fire as well as aerosol and dust generation.
- 7.1.2 Advice on general occupational: Do not eat, drink and smoke in work areas. Wash hands after use.



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hygiene: Remove contaminated clothing and protective equipment before entering eating areas.

### 7.2 Conditions for safe storage, including any incompatibilities:

Safe storage conditions: Protect from freezing.  
Special Sensitivity: No special sensitivity.  
Static Sensitivity: No  
Other precautions: None known  
Materials to Avoid/Chemical Incompatibility: Oxidizers.

7.3 Specific end use(s): Food products

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters:

Substance Name	United Kingdom - Workplace Exposure Limits (WELs) - TWAs	United Kingdom - Workplace Exposure Limits (WELs) - STELs	United Kingdom - Biological Monitoring Guidance Values
No data available			

DNEL: None known

PNEC: None known.

### 8.2 Exposure controls:

Appropriate engineering controls: Normal ventilation expected to be adequate.

### Individual protection measures, such as personal protective equipment:

Eye/face protection: Chemical safety glasses.

Skin protection: Protective clothing is normally not necessary for foreseeable conditions of use.

Hand protection: Gloves are not normally required for foreseeable conditions of use.

Respiratory protection: None required under normal handling conditions.

Thermal hazards: Not available

Environmental exposure controls: Avoid runoff into storm sewers and ditches that lead to waterways.

## SECTION 9: Physical and chemical properties

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

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Pure Substance or Mixture:	Preparation.
Physical state:	Liquid
Colour:	amber
<b>Odour and odour threshold:</b>	Slight
<b>pH:</b>	Approximately 3.5
<b>pH in (1%) Solution:</b>	Not available
<b>Melting point/freezing point:</b>	
Melting Point:	Not available
Freezing point:	Not available
<b>Boiling point or initial boiling point and boiling range:</b>	Not available
<b>Flash point:</b>	Not applicable
<b>Evaporation Rate:</b>	1 (Water = 1)
<b>Flammability:</b>	No
<b>Upper/lower flammability or explosive limits:</b>	
Upper flammability or explosive limits:	Not available
Lower flammability or explosive limits:	Not available
<b>Vapour pressure:</b>	Not available
<b>Vapour density:</b>	Not available
<b>Density and/or relative density:</b>	1.35
<b>Solubility:</b>	Soluble
<b>Partition coefficient n-octanol/water (log value):</b>	Not available
<b>Auto-ignition temperature:</b>	Not applicable
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Volatiles:</b>	Approximately 25 %
<b>Volatile Organic Chemicals:</b>	Not available
<b>Kinematic viscosity:</b>	Not available
<b>Particle characteristics:</b>	Not applicable
<b>9.2 Other information:</b>	
<b>Molecular Weight:</b>	Not available

### SECTION 10: Stability and Reactivity

<b>10.1 Reactivity:</b>	Not expected to be reactive
<b>10.2 Chemical stability:</b>	Stable

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<b>10.3 Possibility of hazardous reactions:</b>	Hazardous polymerization will not occur.
<b>10.4 Conditions to avoid:</b>	None known.
<b>10.5 Incompatible materials:</b>	Oxidizers.
<b>10.6 Hazardous decomposition products:</b>	No hazardous decomposition products known.

### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

<b>Information on possible routes of exposure:</b>	Ingestion
<b>Target Organs Potentially Affected By Exposure:</b>	Not applicable.
<b>Early onset symptoms related to exposure:</b>	No data available
<b>Toxic Effects:</b>	No known hazards are associated with the use of this material.
<b>Exposure levels and health effects:</b>	
<b>Acute toxicity:</b>	
Ingestion Toxicity:	Based on available data, the GHS classification criteria are not met.
Acute toxicity - Dermal:	Based on available data, the GHS classification criteria are not met.
Inhalation Toxicity:	Based on available data, the GHS classification criteria are not met.
<b>Skin corrosion/irritation:</b>	May cause slight eye irritation. Non-irritant.
<b>Serious eye damage/irritation:</b>	No evidence of irritant effects from normal handling and use.
<b>Respiratory sensitisation:</b>	Based on available data, the GHS classification criteria are not met.
<b>Skin sensitisation:</b>	Based on available data, the GHS classification criteria are not met.
<b>Germ cell mutagenicity:</b>	No.
<b>Reproductive Toxicity:</b>	No.
<b>Carcinogenicity:</b>	No.
<b>Specific Target Organ Toxicity (STOT)-single exposure:</b>	Based on available data, the GHS classification criteria are not met.
<b>Specific Target Organ Toxicity (STOT)-repeated exposure:</b>	Based on available data, the GHS classification criteria are not met.
<b>Aspiration hazard:</b>	Based on available data, the GHS classification criteria are not met.
<b>Endocrine disrupting properties:</b>	None of the components have endocrine disrupting properties.

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### Numerical measures of toxicity (such as acute toxicity estimates):

Substance Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
There is no known toxicity data available for the components or the product.			

### SECTION 12: Ecological information

**12.1 Toxicity:** No information available.

#### Ecological Toxicity Data:

Substance Name	CAS No.	Aquatic LC50 Fish	Aquatic ERC50 Algae	Aquatic EC50 Crustacea
No data available				

**12.2 Persistence and degradability:** No data available

**12.3 Bioaccumulative potential:** No data available

**12.4 Mobility in soil:** Unknown

**12.5 Results of PBT and vPvB assessment:** Not expected to be PBT or vPvB.

**12.6 Endocrine disrupting properties:** None known.

**12.7 Other adverse effects:** None known.

### SECTION 13: Disposal considerations

**13.1 Waste treatment methods:** Waste disposal should be in accordance with existing Community, National and local regulations.

**Empty container warnings:** Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

### SECTION 14: Transport Information

**14.1 UN number:** Not applicable

**14.2 UN proper shipping name:** Not Applicable

**14.3 Transport hazard class(es):** Not Applicable

**14.4 Packing group:** Not Applicable

**Toxic Inhalation Hazard Zone:** No data available

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- 14.5. Environmental hazards:** No data available  
**14.7 Maritime transport in bulk according to IMO instruments:** No data available  
**14.6 Special precautions for user:** Consult IMO regulations before transporting in bulk by ocean.

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Substance Name	EINECS	SVHC
No data available		

- 15.2 Chemical Safety Assessment:** No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

### SECTION 16: Other information

- Revision Date:** 06-28-2023
- Indication of changes:** None Known
- Abbreviations and acronyms:** CAS = Chemical Abstract Service  
 DNEL= Derivative No Effect Level  
 EC= European Community  
 EINECS = European Inventory of Existing Chemical Substances  
 MSHA = Mine Safety Health Administration  
 NIOSH = National Institute of Occupational Safety & Health  
 OEL = Occupational Exposure Limit  
 PBT= Persistent, Bioaccumulative, Toxic  
 PNEC= Predicted No Effect Concentration  
 SCOEL= Scientific Committee on Occupational Exposure Limits  
 TLV = Threshold Limit Value  
 TWA= Time Weighted Average  
 vPvB= Very Persistent, Very Bioaccumulative  
 Wt.% = Weight Percent
- References and sources of data:** Classification according to Regulation (EC) 1272/2008 (CLP), as amended and Regulation (EC) 1907/2006 (REACH), as amended
- Hazard statements:** No Hazard Statement needed.
- Classification and procedure used to derive the classification for mixtures**



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according to Regulation (EC)  
1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Not available	Not available

**Precautionary statements:** No Precautionary Statement needed.

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This document is issued on behalf of the Ingredion EMEA Company which is the Supplier invoicing for the Product. The respective details of each of the relevant Supplier companies are as follows:

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