



## SAFETY DATA SHEET

### Section 1 Identification: Product identifier and chemical identity

Product Name: Bovine Betacellulin  
Description: Freeze-dried preparation of recombinant bovine betacellulin  
CAS number: 163150-12-7 (Betacellulin)  
Use of Substance: Laboratory chemical.  
**This product is not intended for human or therapeutic use**

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Product Codes: ARU020, ARU100

### Section 2 Hazard Identification

Classification: Not a hazardous substance or mixture.  
GHS classification: Does not meet the classification criteria of NICNAS, EC Directives 67/548/EEC, 1999/45/EC 1272/2008 (CLP/EU-GHS)  
GHS labelling: Does not need to be labelled in accordance with EC directives or respective national laws.  
Special hazards: None

### Section 3 Composition and information on ingredients

Bovine betacellulin % w/w 85 - 99

### Section 4 First Aid Measures

Inhalation: If dust is inhaled, remove from contamination. Encourage patient to blow nose to ensure clear breathing passage. If irritation or discomfort occurs, seek medical attention  
Skin contact: In case of contact with skin, wash the affected area with soap and water. If irritation or discomfort occurs, seek medical attention  
Eye contact: In case of contact with eyes, flush thoroughly with water and seek medical attention  
Ingestion: In case of accidental swallowing, rinse the mouth with water and seek medical attention

### Section 5 Fire-Fighting Measures

Protection against fire: No special requirements  
Suitable extinguishing media: Water Spray, Dry Chemical powder or appropriate foam  
Unsuitable extinguishing media: None  
Hazardous combustion products: None

## **Section 6                      Accidental Release Measures**

Personal Precautions: See Section 8  
Cleaning Method: Carefully sweep up powder, place in a closed container and hold for waste disposal. Wash area thoroughly with water after clean-up is complete

## **Section 7                      Handling and Storage**

Handling: Avoid generating or breathing dust. Limit all unnecessary personal contact. Standard laboratory practices recommended  
Storage: Store at 2 - 8°C

## **Section 8                      Exposure Controls / Personal Protection**

Eye Protection: Safety glasses or goggles required  
Hand Protection: Wear general protective gloves e.g. light weight rubber gloves  
General Hygiene: Handle in accordance with good industrial hygiene and safety practices

## **Section 9                      Physical and Chemical Properties**

Appearance: White/creamy, odourless crystalline powder  
Solubility: Partially soluble in water

## **Section 10                     Stability and Reactivity**

Reactivity: No data available  
Stability: Stable under normal conditions  
Conditions to Avoid: None known  
Incompatible material: None known  
Hazardous decomposition: None known

## **Section 11                    Toxicological Information**

Acute Toxicity: No known significant effect  
Irritation: May irritate skin and/or eye  
Sensitization: No known significant effect  
Carcinogenicity: No known significant effect  
Mutagenicity: No known significant effect  
Teratogenicity: No known significant effect

## **Section 12                    Ecological Information**

Ecotoxicity: The substance is readily biodegradable  
No known data

## **Section 13                    Disposal Considerations**

Waste Disposal: Handle in accordance with local, state and federal regulations

## **Section 14                    Transport Information**

Transport Regulations: Not subject to current regulations for transport of hazardous materials according to IATA, IMDG, DOT, ADR/RID/ADN



<b>Section 15</b>	<b>Regulatory Information</b>
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Not classified as hazardous according to OHS/SARA/CWA/CAA  
Not classified as hazardous according to EC 1272/2008

<b>Section 16</b>	<b>Other Information</b>
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### **Disclaimer**

The information provided on this SDS 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 as a warranty or quality specification.

