

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



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

Section 16	Other Information
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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.