

# Cellobiosan: sc-221413



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

### Section 1 – Product and Company Information

Product Name: Cellobiosan

Catalog Number: sc-221413

Supplier: Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, California 95060  
800.457.3801 or 831.457.3800

**Emergency: ChemWatch**  
**Within the US & Canada: 877-715-9305**  
**Outside the US & Canada: +800 2436 2255**  
**(1-800-CHEMCALL) or call +613 9573 3112**

### Section 2 – Composition/Information on Ingredients

Substance Name	1,6-Anhydro- $\beta$ -D-cellobiose
Synonym(s)	Cellobiosan
CAS No.	35405-71-1
Molecular Formula	C <sub>12</sub> H <sub>20</sub> O <sub>10</sub>

### Section 3 – Hazards Identification

HMIS Rating	Health:	0
	Flammability:	0
	Reactivity:	0

### Section 4 – First Aid Measures

#### ORAL EXPOSURE:

If swallowed, wash out mouth with water, provided person is conscious. Call poison control centre.

#### INHALATION EXPOSURE:

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

#### DERMAL EXPOSURE:

In case of contact, immediately wash skin with soap and copious amounts of water.

#### EYE EXPOSURE:

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

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## Section 5 – Fire Fighting Measures

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Flash Point	N/A
Autoignition Temp.	N/A
Flammability	N/A
Extinguishing Media	N/A
Firefighting	Wear standard self-contained breathing apparatus for firefighting.

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## Section 6 – Accidental Release Measures

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### PROCEDURES OF PERSONAL PRECAUTION

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

### METHODS OF CLEANING UP

Sweep and dispose of as chemical waste according to local, regional or federal chemical waste disposal regulations.

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## Section 7 – Handling and Storage

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### HANDLING

User Exposure: Avoid inhalation of dust. Avoid contact with eyes, skin, and clothing.

### STORAGE

Packaged under argon. Hygroscopic. Protect from moisture.  
Long-term storage at: 0-8 °C

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## Section 8 – Exposure Controls / PPE

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### ENGINEERING CONTROLS

Safety showers and eye bath. Mechanical exhaust required.

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required.

Hand: Protective gloves.

Eye: Chemical safety goggles.

### GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

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## Section 9 – Physical/Chemical Properties

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Appearance	Physical State: Solid Colour: White Form: Amorphous
Molecular Weight	324.29
Melting Point Range	N/A
Solubility	H <sub>2</sub> O, DMSO

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## Section 10 – Stability and Reactivity

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### STABILITY

Stable under recommended storage conditions.  
Materials to avoid: N/A

### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon dioxides: formed under fire conditions.

### HAZARDOUS POLYMERIZATION

Will not occur.

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## Section 11- Toxicological Information

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### ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.  
Skin Absorption: May be harmful if absorbed through the skin.  
Eye contact: May cause eye irritation.  
Inhalation: May be harmful if inhaled.  
Ingestion: May be harmful if swallowed.

### SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## Section 12 – Ecological Information

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No data available.

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## Section 13 – Disposal Considerations

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### APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, regional, and local environmental regulations.

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Section 14 – Transport information

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DOT (US)    Non-Dangerous for Transport  
IATA        Non-Dangerous for Air Transport  
IMDG        Non-Dangerous for Maritime Transport

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Section 15 – Regulatory Information

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REGULATORY INFORMATION  
TSCA: Not on TSCA inventory

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Section 16 – Other information

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DISCLAIMER

*The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.*

07/29/2010