

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : D-(+)-Cellobiose

Product Number : C7252  
Brand : Sigma

Company : Sigma-Aldrich Canada, Ltd  
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CANADA

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms :  $\beta$ -D-Glc-(1 $\rightarrow$ 4)-D-Glc  
4-O- $\beta$ -D-Glucopyranosyl-D-glucose

Formula :  $C_{12}H_{22}O_{11}$   
Molecular Weight : 342.3 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
D-Cellobiose			
528-50-7	208-436-5	-	-

## 3. HAZARDS IDENTIFICATION

**WHMIS Classification**  
Not WHMIS controlled. Not WHMIS controlled.

**HMIS Classification**  
Health Hazard: 0  
Flammability: 0  
Physical hazards: 0

## Potential Health Effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.  
**Skin** May be harmful if absorbed through skin. May cause skin irritation.  
**Eyes** May cause eye irritation.  
**Ingestion** May be harmful if swallowed.

## 4. FIRST AID MEASURES

**If inhaled**  
If breathed in, move person into fresh air. If not breathing give artificial respiration

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Page 1 of 4

## In case of skin contact

Wash off with soap and plenty of water.

## In case of eye contact

Flush eyes with water as a precaution.

## If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

## 5. FIRE-FIGHTING MEASURES

## Flammable properties

Flash point no data available

Ignition temperature no data available

## Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

## Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

## Personal precautions

Avoid dust formation.

## Environmental precautions

Do not let product enter drains.

## Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

## Handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

## Storage

Keep container tightly closed in a dry and well-ventilated place.

Keep in a dry place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

## Personal protective equipment

## Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Hand protection

For prolonged or repeated contact use protective gloves.

## Eye protection

Safety glasses

## Hygiene measures

General industrial hygiene practice.

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Page 2 of 4

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## Appearance

Form powder

Colour beige

## Safety data

pH no data available

Melting point 239 °C (462 °F)

Boiling point no data available

Flash point no data available

Ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available

Water solubility no data available

## 10. STABILITY AND REACTIVITY

## Storage stability

Stable under recommended storage conditions.

## Materials to avoid

Strong oxidizing agents, Strong bases

## Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

## 11. TOXICOLOGICAL INFORMATION

## Acute toxicity

no data available

## Irritation and corrosion

no data available

## Sensitisation

no data available

## Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

## Potential Health Effects

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## 12. ECOLOGICAL INFORMATION

## Elimination information (persistence and degradability)

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Page 3 of 4

no data available

## Ecotoxicity effects

no data available

## Further information on ecology

no data available

## 13. DISPOSAL CONSIDERATIONS

## Product

Observe all federal, state, and local environmental regulations.

## Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

## DOT (US)

Not dangerous goods

## IMDG

Not dangerous goods

## IATA

Not dangerous goods

## 15. REGULATORY INFORMATION

## TSCA Status

On TSCA Inventory

## DSL Status

All components of this product are on the Canadian DSL list.

## WHMIS Classification

Not WHMIS controlled.

Not WHMIS controlled.

## 16. OTHER INFORMATION

## Further information

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Page 4 of 4