

# L-Tagatose: sc-286106



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

---

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** L-Tagatose

**Product Number:** sc-286106

**Supplier:** Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, CA 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

### 2. HAZARD(S) IDENTIFICATION

**OSHA Haz Com: CFR 1910.1200:** Not classifiable

Signal word: None

Pictogram(s) or Symbol(s): None

**Hazard Statement(s):**

None

**Precautionary Statement(s):**

None

**Supplementary Information:**

While this material is not classified as hazardous under OSHA, this SDS contains valuable information critical to safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

### 3. COMPOSITION /INFORMATION ON INGREDIENTS

**Components:** L-Tagatose

**CAS Number:** 17598-82-2

**Molecular Weight:** 180.16

**Chemical Formula:** C6H12O6

### 4. FIRST-AID MEASURES

**Inhalation:**

Move victim to fresh air. Call emergency medical service. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Skin contact:**

Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves

**Eye contact:**

Move victim to fresh air. Check for and remove any contact lenses. In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. Keep victim warm and quiet. Treat symptomatically and supportively. Effects of exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Ingestion:**

If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Loosen tight clothing such as a collar, tie, belt or waistband. If swallowed, seek medical advice immediately and show the container or label. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Effects of exposure (ingestion) to substance may be delayed.

**Symptoms/effects:**

Acute: No data available

Delayed: No data available

**Immediate medical attention:**

If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Dry chemical, CO<sub>2</sub>, water spray, or alcohol-resistant foam. Consult with local fire authorities before attempting large scale fire fighting operations.

**Hazardous combustion products:**

These products include: Carbon oxides

**Other specific hazards:**

Closed containers may explode from heat of a fire.

**Special precautions for fire-fighters:**

Not available

**Special protective equipment for fire-fighters:**

Structural fire fighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (Section 8).

**Personal protective equipment:** Wear protective clothing, gloves and eye protection.

**Emergency procedures:**

In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution.

**Methods and materials for containment and cleaning up:**

Dike far ahead of liquid spill for later disposal.

**Environmental precautions:**

Prevent entry into sewers, basements or confined areas.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.

**Conditions for safe storage:**

Keep container tightly closed in a dry and well-ventilated place. Store under inert gas. Hygroscopic material, store in a tightly sealed container. Store at room temperature.

**Storage incompatibilities:**

Store away from oxidizing agents

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Appropriate engineering controls:

Good general ventilation should be sufficient to control airborne levels. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

### Respiratory protection:

Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

### Hand protection:

Wear protective gloves.

### Eye protection:

Safety glasses.

### Skin and body protection:

Lab coat.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form (20°C):	Solid	Odor:	No data available
Odor threshold:	No data available	Melting point/freezing point:	131° C
Boiling point/range:	No data available	Vapor pressure:	No data available
Decomposition temperature:	No data available	Vapor Density:	No data available
Relative density:	No data available	Dynamic Viscosity:	No data available
Kinematic viscosity:	No data available	pH:	No data available
Flash point:	No data available	Autoignition temperature:	No data available
Flammability (solid, gas):	No data available	Flammability or explosive limits:	No data available
Solubility(ies):	Water soluble	Partition coefficient:	No data available
Evaporation rate:	No data available	n-octanol/water (log Pow)	
(Butyl Acetate = 1)			

## 10. STABILITY AND REACTIVITY

### Reactivity:

Not Available.

### Chemical Stability:

Stable under recommended storage conditions. (See Section 7)

### Possibility of Hazardous Reactions:

No hazardous reactivity has been reported.

### Conditions to avoid:

Avoid excessive heat and light.

### Incompatible materials:

Oxidizing agents

### Hazardous Decomposition Products:

No data available

## 11. TOXICOLOGICAL INFORMATION

**RTECS Number:** No data available

### Acute Toxicity:

No data available

### Skin corrosion/irritation:

No data available

### Serious eye damage/irritation:

No data available

### Respiratory or skin sensitization:

No data available

### Germ cell mutagenicity:

No data available

**Carcinogenicity:**

IARC: No data available  
NTP: No data available  
OSHA: No data available

**Reproductive toxicity:**

No data available

**Routes of Exposure:**

Inhalation, Eye contact, Ingestion.

**Symptoms related to exposure:**

No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.

**Potential Health Effects:**

No specific information available; skin and eye contact may result in irritation. May be harmful if inhaled or ingested.

**Target organ(s):**

No data available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Fish: No data available  
Crustacea: No data available  
Algae: No data available

**Persistence and degradability:**

No data available

**Bioaccumulative potential (BCF):**

No data available

**Mobility in soil:**

No data available

**Partition coefficient: n-octanol/water (log Pow)**

No data available

**Soil adsorption (Koc):**

No data available

**Henry's Law: constant (PaM<sup>3</sup>/mol)**

No data available

## 13. DISPOSAL CONSIDERATIONS

**Disposal of product:**

Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261.

**Disposal of container:**

Dispose of as unused product.

**Other considerations:**

Observe all federal, state and local regulations when disposing of the substance.

## 14. TRANSPORT INFORMATION

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

## 15. REGULATORY INFORMATION

### Toxic Substance Control Act (TSCA 8b.):

This product is NOT on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:

- (i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.
- (ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on a SDS sheet.

### US Federal Regulations

#### CERCLA Hazardous substance and Reportable Quantity:

SARA 313: Not Listed  
SARA 302: Not Listed

### State Regulations

#### State Right to Know

Massachusetts: Not Listed  
New Jersey: Not Listed  
Pennsylvania: Not Listed

California Proposition 65: Not Listed

### Other Information

#### NPFA Rating

Health: 0  
Flammability: 0  
Instability: 0

#### HMIS Classification

Health: 0  
Flammability: 0  
Physical: 0

### International Inventories

WHMIS hazard class: No data available.  
Notice Through Official Gazettes Reference Number: (Japan)  
ENCS: Not Listed

## 16. OTHER INFORMATION

*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.*

1/29/2014