

# L-Erythrulose: sc-286078



The Power to Question

## MATERIAL SAFETY DATA SHEET

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** L-Erythrulose  
**Product Number:** sc-286078  
**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. HAZARDS IDENTIFICATION

The toxicological properties of this material have not been fully investigated. This substance is not classified as dangerous according to Directive 67/548/EEC.

**Target organs:**

None.

**Potential health effects:**

**Eye:** May cause eye irritation.  
**Skin:** May cause skin irritation. May be harmful by skin absorption.  
**Ingestion:** May be harmful if swallowed.  
**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.  
**Chronic:** No information found.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms:** L-Erythrulose  
**Formula:** C<sub>4</sub>H<sub>8</sub>O<sub>4</sub>  
**Molecular weight:** 120.1

<i>CAS-No.</i>	<i>EC-No.</i>	<i>Index-No.</i>	<i>Concentration</i>
<b>L-Erythrulose</b> 533-50-6	-	-	-

### 4. FIRST AID MEASURES

**Eye contact:**

Immediately flush eye with copious amounts of water for at least 15 minutes. Get medical aid immediately.

**Skin contact:**

Get medical aid. Immediately wash skin with soap and copious amounts of water. Wash contaminated clothing before reuse.

**Inhalation:**

Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical aid.

**Ingestion:**

Wash out mouth with water provided person is conscious. Call a physician.

**Notes to Physician:**

Treat symptomatically and supportively.

## 5. FIRE-FIGHTING MEASURES

### Personal precautions:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

### Extinguishing media:

In case of fire use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

## 6. ACCIDENTAL RELEASE MEASURES

### General Information:

Use proper personal protective equipment as indicated in Section 8.

### Spills/Leaks:

Soak up with inert absorbent material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid breathing vapors, mist or gas. Do not let product enter drains.

## 7. HANDLING AND STORAGE

### Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Normal measures for preventive fire protection.

### Storage:

Store in a tightly closed container. Store in a dry cool area. Hygroscopic. Store at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Personal protection equipment:

#### Eye protection:

Wear appropriate protective safety glasses with side-shields conforming to EN166, chemical safety goggles or face-shield (min. 8-inch) as described by OSHA's eye and face protection regulations.

#### Skin protection:

Wear appropriate protective gloves to prevent skin exposure.

#### Respiratory protection:

Follow the OSHA respirator regulations as European Standard EN 149 approved respirator when necessary. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid.	Odor:	No data available.
Odor threshold:	No data available.	pH:	No data available.
Melting point:	No data available.	Boiling point:	No data available.
Flash point:	110 °C – closed cup.	Evaporation rate:	No data available.
Flammability:	No data available.	Flammability or explosive limits:	No data available.
Vapor pressure:	No data available.	Vapor density:	No data available.
Density:	1.391 g/cm <sup>3</sup> .	Solubility:	No data available.
Auto-ignition temperature:	No data available.	Decomposition temperature:	No data available.
Partition coefficient: n-octanol/water	No data available.	Viscosity:	No data available.

## 10. STABILITY AND REACTIVITY

### Chemical stability:

Stable under recommended storage conditions.

### Conditions to avoid:

Data not available.

### Incompatibilities with other materials:

Strong oxidizing agents.

### Hazardous decomposition products:

Carbon oxides.

**Hazardous polymerization:**

Data not available.

**11. TOXICOLOGICAL INFORMATION**

**RTCS #:**

Data not available.

**Acute toxicity:**

Data not available.

**Skin corrosion/irritation:**

Data not available.

**Serious eye damage/eye irritation:**

Data not available.

**Respiratory or skin sensitization:**

Data not available.

**Germ cell mutagenicity:**

Data not available.

**Carcinogenicity:**

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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- Chronic:** No information found.

**12. ECOLOGICAL INFORMATION**

Data not available.

**13. DISPOSAL CONSIDERATIONS**

Dispose of in a manner consistent with federal, state, and local regulations.

**14. TRANSPORT INFORMATION**

<b>DOT (US)</b>	<b>IMDG</b>	<b>IATA</b>
Not dangerous goods	Not dangerous goods	Not dangerous goods

**15. REGULATORY INFORMATION**

**European/ International Regulations:**

The product does not need to be labelled in Accordance with EC Directives or respective national laws.

**Hazard Symbols:**

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**R- phrases:** Data not available.

**S- phrases:** Data not available

**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.*

3/19/2014