

# trans-Cyclohexane-1,4-dicarboxylic acid monomethyl ester: sc-286834



*The Power to Question*

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** trans-Cyclohexane-1,4-dicarboxylic acid monomethyl ester  
**Product Number:** sc-286834  
**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. COMPOSITION, INFORMATION ON INGREDIENTS

**Molecular Formula:** C<sub>9</sub>H<sub>14</sub>O<sub>4</sub>  
**Molecular Weight:** 186.21  
**CAS Number:** 15177-67-0

### 3. Hazards Identification/ Emergency Overview

#### Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity, Oral (Category 4)

Skin irritation (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity - single exposure (Category 3)

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Harmful if swallowed. Irritating to eyes, respiratory system and skin

#### Label elements

Labeling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word

Warning

#### Hazard statement(s)

H302

Harmful if swallowed

H315

Causes skin irritation

H319

Causes serious eye irritation

H335

May cause respiratory irritation

#### Precautionary statement(s)

P261

Avoid breathing dust

P305+P351+P338

IF IN EYE: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements

None

According to European Directive 67/548/EEC as amended

Hazard symbol(s)



**R-phrases(s)**

R22

R36/37/38

**S-phrases(s)**

S26

S36/37

Other hazards

Harmful if swallowed.

Irritating to eyes, respiratory system and skin.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing and gloves

None

#### 4. First Aid Measures

**Eyes:** Flush eyes with plenty of water occasionally lifting the upper and lower lids. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of water while removing contaminated clothing and shoes.

**Ingestion:** Get medical aid. Wash mouth out with water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

#### 5. Fire Fighting Measures

**General Information:** As in any fire, wear self-contained breathing apparatus and full protective gear.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide or chemical foam.

#### 6. Accidental Release Measures

**General Information:** Use proper personal protective equipment.

**Spills/Leaks:** Vacuum or sweep up material and place into suitable disposal container. Avoid generating dusty conditions.

#### 7. Handling and Storage

**Handling:** Avoid breathing dust, vapor, mist or gas. Avoid contact with eyes, skin.

**Storage:** Storage temperature: Room temperature and keep container tightly closed in a dry and well-ventilated place.

#### 8. Exposure Controls, Personal Protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

**Personal Protective Equipment**

**Eyes:** Wear chemical safety goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Wear appropriate respirators where necessary.

#### 9. Physical and Chemical Properties

Boiling Point No data available

Solubility in water Slightly soluble

Vapor Density No data available

Melting Point

Vapor Pressure

Not data available

No data available

#### 10. Stability and Reactivity

**Chemical Stability:** This product is relatively unstable under normal temperature

**Incompatibilities with Other materials:** Strong oxidizing agents

**Hazardous combustion or Decomposition products:** Carbon monoxide, and carbon dioxide.

### **11. Toxicological Information**

Maybe toxic inhalation, in contact with skin and if swallowed.

### **12. Ecological Information**

Not available

### **13. Disposable Considerations**

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

### **14. Transport Information**

Not available

### **15. Regulatory Information**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

Not available

**Chemical Safety Assessment:**

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.*

04/03/2013