

# 1,4-Bis(triethoxysilyl)benzene: sc-253986



The Power to Question

## MATERIAL SAFETY DATA SHEET

### PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 1,4-Bis(triethoxysilyl)benzene

**Product Number:** sc-253986

**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

### INGREDIENTS & HAZARDOUS INGREDIENT INFORMATION

<u>IDENTITY</u>	<u>CAS NO.</u>	<u>% TLV</u>	<u>OSHA PEL</u>
1,4-BIS(TRIETHOXYSILYL)BENZENE	2615-18-1	>95	not established

**CHEMICAL NAME:** 1,4-BIS(TRIETHOXYSILYL)BENZENE

**SYNONYMS:** p-BIS(TRIETHOXYSILYL)BENZENE

**CHEMICAL FAMILY:** ORGANOSILANE

**FORMULA:** C<sub>18</sub>H<sub>34</sub>O<sub>6</sub>Si<sub>2</sub>

**HMIS CODES** HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 1

### PHYSICAL DATA

<b>Boiling Point:</b>	130-2° C at 0.4mm	<b>Melting Point:</b>	<0°C
<b>Specific Gravity:</b>	1.015	<b>Vapor Pressure, 25°:</b>	<0.1mm
<b>Vapor Density (air = 1):</b>	>1	<b>Solubility in water:</b>	reacts
<b>% volatiles:</b>	<5%	<b>Evaporation rate:</b>	not determined
<b>Molecular Weight:</b>	402.64	<b>Other:</b>	NA
<b>Form:</b>	liquid		

### FIRE & EXPLOSION DATA

**Flash Point, COC:** >110°C **Autoignition Temp.:** not determined

**Flammability Limits:** not determined

**Extinguishing Media:** Water spray or fog, alcohol resistant foam, carbon dioxide, dry chemical.

**Special Fire Fighting Procedures:** Avoid eye and skin contact. Do not breathe fumes or inhale vapors.

**Unusual Fire and Explosion Hazards:** Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

### ENVIRONMENTAL INFORMATION

**Spill response:** Sweep material and transfer to a suitable container for disposal.

**Recommended Disposal:** Incinerate. Follow all chemical pollution control regulations.

### HEALTH HAZARD DATA

**Eye Contact:** Will cause immediate or delayed severe eye irritation.

**Skin contact:** May produce irritation or contact dermatitis. Material generates ethanol on contact with water or moisture in skin, eyes and mucous membranes and has an irritating, dehydrating effect on overexposed tissue. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

**Inhalation:** Inhalation may irritate the respiratory tract. Overexposure can cause lung damage.

**Note:** The hydrolysis product of 1,4-BIS(TRIETHOXYSILYL)BENZENE is ethanol.

**Oral Toxicity:** not determined

**Inhalation Toxicity:** not determined

**Eye Irritation:** not determined

#### **SUGGESTED FIRST AID**

**EYES:** In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

**SKIN:** Flush with water, then wash with soap and water.

**INHALATION:** Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

**INGESTION:** Never give fluids or induce vomiting if patient is unconscious or having convulsions. To conscious individual give one full cup of water to dilute ingested material. Get medical attention.

#### **REACTIVITY DATA**

**Stability:** Stable in sealed containers.

**Conditions to avoid:** Material decomposes slowly in contact with moist air or with water liberating ethanol. Avoid contact with oxidizing agents.

**Hazardous decomposition products:** Ethanol, organic acid vapors and silicon dioxide.

**Hazardous polymerization:** Will not occur.

#### **SPECIAL PROTECTION INFORMATION**

**Ventilation:** Local exhaust is required. Mechanical is recommended.

**Respiratory Protection:** If exposure exceeds TLV, NIOSH approved organic vapor respirator.

**Eye and Face Protection:** Chemical worker's goggles. Do not wear contact lenses.

**Other Clothing and Equipment:** Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

#### **OTHER PRECAUTIONS**

For research use only.

**Storage and Handling:** Store in sealed containers. Containers require grounding during use.

#### **TRANSPORTATION**

**DOT SHIPPING NAME:** CHEMICALS NOI

**DOT HAZARD CLASS:** None required

**DOT LABEL:** None required

**DOT ID No:** None required

#### **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.*

1/7/2011