

# Bis(2-cyanoethyl)-N,N-diisopropyl Phosphoramidite: sc-210934



The Power to Question

## MATERIAL SAFETY DATA SHEET

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### Section 1 - General Information

**Chemical Name:**

Bis(2-Cyanoethyl)-N,N-Diisopropyl Phosphoramidite

**CAS Reg. Number:**

102690-88-0

**Catalog Number:**

sc-210934

**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

### Section 2 - Hazardous Ingredients/Identity Information

The toxicological properties of this compound have not been thoroughly investigated. Exercise due care.

### Section 3 - Physical/Chemical Characteristics

**Boiling Point:**

N/A

**Appearance and Odor:**

Slight yellow oil

**Vapor Pressure:**

N/A

**Specific Gravity(H<sub>2</sub>O=1):**

N/A

**Solubility in Water:**

N/A

**Melting Point:**

N/A

**Evaporation Rate (ButylAcetate=1):**

N/A

**Vapor Density:**

N/A

### Section 4 - Reactive Data

**Stability:**

Stable at -20° C

**Incompatibility (Materials to Avoid):**

Strong bases, readily hydrolyzed, heat sensitive alcohols

**Conditions to Avoid:**

Heating may cause an explosionWater

**Hazardous Decomposition or Byproducts:**

Carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen chloride gas, thermal decomposition may produce fumes of phosphorous oxides and/or phosphine

**Hazardous Polymerization:**

N/A

### Section 5 - Control Measures

**Respiratory Protection:**

Niosh/Msha approved respirator

**Ventilation:**

Fume Hood

**Protective Gloves:**

chemical resistant gloves

**Eye Protection:**

Face Shield (8-Inch Minimum)

**Other Protective Clothing:**

lab coat, apron

**Other Protection:**

eye safety wash

If swallowed wash out mouth with water, provided person is conscious. Call a physician. Discard contaminated clothing

**Eyes:**

Flush eyes with copious amounts of water for at least 15 minutes. Flushing of the eyes by separating eyelids with fingers

**Section 7 - Health Hazard Data****Health Hazards (Acute and Chronic):**

Harmful if swallowed, inhaled, or absorbed through skin. Material is extremely destructive to tissue of the mucous membranes & upper respiratory tract, eyes and skin. Inhalation may be fatal as a result of spasm, inflammation & edema of the larynx & bronchi, chemical pneumonitis & pulmonary edema.

**Medical Conditions Generally Aggravated by Exposure:**

Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea & vomiting.

**Section 8 - Precautions for Safe Handling and Use****Steps to be Taken in Case Material is Released or Spilled:**

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

**Waste Disposal Method:**

Burn in a Chemical Incinerator equipped with an Afterburner & Scrubber. Observe all Federal, State & Local Laws when disposing of any waste.

**Precautions to Be Taken in Handling and Storage:**

Keep tightly closed. Handle & store under nitrogen. Moisture sensitive. freeze, avoid repeated exposure. Keep away from combustible materials, heat sparks & open flame. Wash thoroughly after handling. Do not breathe vapor.

**Section 9 - Fire and Explosion Hazard Data****Extinguishing Media:**

Carbon Dioxide, Dry chemical powder or appropriate foam.

**Special Fire Fighting Procedures:**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual Fire and Explosion Hazards:**

Emits Toxic Fumes under Fire Conditions. Possibility of explosion

**Section 10 - Transportation Information and regulatory 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.***