

# Diethyl N,N-Diisopropylphosphoramidite: sc-211322



The Power to Question

## MATERIAL SAFETY DATA SHEET

### Section 1 - Chemical and Company Information

Chemical Name Diethyl N,N-Diisopropylphosphoramidite

Catalog Number sc-211322

CAS# 42053-26-9

Synonyms N/A

Supplier Santa Cruz Biotechnology, Inc.  
2145 Delaware Avenue  
Santa Cruz, California 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 tested. Exercise due care!

### Section 3 - Physical/Chemical Characteristics

Boiling Point	N/A	Appearance and Odor	Colourless Oil Which May Be Hazy
Vapor Pressure	N/A	Specific Gravity(H <sub>2</sub> O=1)	N/A
Vapor Density	N/A	Melting Point	95-97°C BP
Solubility in Water	N/A	Evaporation Rate (Butyl Acetate=1)	N/A
Molecular Formula	C <sub>10</sub> H <sub>24</sub> NO <sub>2</sub> P	Molecular Weight	221.15

### Section 4 - Reactive Data

Stability Store in freezer at -20 °C for long periods of time

Incompatibility  
(Materials to Avoid)

Strong oxidizing agents

Conditions to Avoid Temperatures above 0°C, Water

Hazardous  
Decomposition or  
Byproducts NO<sub>2</sub>, CO<sub>2</sub>, CO

Hazardous Polymerization N/A

### Section 5 - Control Measures

Respiratory Protection Niosh/Msha approved respirator

Ventilation

use in a hood

Protective Gloves Chemical Resistant Gloves

Eye Protection

Safety Goggles

Other Protective Clothing lab coat and apron

Other Protection

safety shower, eye wash

### Section 6 - First Aid Measures

Inhalation Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Skin Immediately flush eyes with copious amounts of water for at least 15 min while removing contaminated clothing and shoes.

Ingestion If swallowed, wash out mouth with water provided person is conscious. Call a physician. Remove and wash contaminated clothing immediately.

Eyes Immediately flush skin with copious amounts of water for at least 15 min while removing contaminated clothing and shoes.

### Section 7 - Health Hazard Data

Health Hazards  
(Acute and Chronic)

may be harmful by inhalation, ingestion, or skin absorption, may cause irritation.

Medical Conditions The toxicological properties have not been thoroughly tested  
Generally Aggravated by Exposure may cause irritation

## Section 8 - Precautions for Safe Handling and Use

<i>Steps to be Taken in Case Material is Released or Spilled</i>	<b>Evacuate Area. Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Soak up with solvent spill kit and , place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.</b>
<i>Waste Disposal Method</i>	<b>Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.</b>
<i>Precautions to Be Taken in Handling and Storage</i>	<b>keep tightly closed, store frozen at -20°C</b>

## Section 9 - Fire and Explosion Hazard Data

<i>Extinguishing Media</i>	<b>Water spray. Carbon Dioxide, dry chemical powder or appropriate foam.</b>
<i>Special Fire Fighting Procedures</i>	<b>Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.</b>
<i>Unusual Fire and Explosion Hazards</i>	<b>May Emit toxic fumes under fire conditions.</b>

## Section 10 - Transportation Information and regulatory information

**No data available.**

*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.*

8/31/2010