

# N-(n-Butyl)phosphoric Triamide: sc-207923



The Power to Question

## MATERIAL SAFETY DATA SHEET

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### Section 1 - General Information

**Catalog Number:**

sc-207923

**Chemical Name:**

N-(n-Butyl)phosphoric Triamide

**CAS Reg. Number:**

25316-39-6

**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

**Form:**

N/A

**Vapor Pressure:**

N/A

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

N/A

**Molecular Formula:**

C<sub>4</sub>H<sub>14</sub>N<sub>3</sub>OP

**Solubility in Water:**

N/A

**Melting Point:**

N/A

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

N/A

**Vapor Density:**

N/A

**Molecular Weight:**

151.15

### Section 4 - Reactive Data

**Stability:**

Stable

**Incompatibility (Materials to Avoid):**

Strong oxidizers

**Conditions to Avoid:**

strong oxidizing agents

**Hazardous Decomposition or Byproducts:**

Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and phosphoric oxides

**Hazardous Polymerization:**

will not occur

### Section 5 - Control Measures

**Respiratory Protection:**

Niosh/Msha approved respirator

**Protective Gloves:**

Chemical resistant gloves

**Other Protective Clothing:**

Lab coat or apron

**Ventilation:**

Hood

**Eye Protection:**

chemical safety goggles

**Other Protection:**

safety shower and eye bath

### Section 6 - First Aid Measures

**Inhalation:**

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

**Skin:**

In case of skin contact, flush with copious amounts of water for atleast 15 minutes. Remove contaminated clothing and shoes. Call a physician.

**Ingestion:**

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

**Eyes:**

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Exercise due care.

**ROUTE OF EXPOSURE**

<b>Skin Contact:</b>	May cause skin irritation.
<b>Skin Absorption:</b>	May be harmful if absorbed through the skin.
<b>Eye Contact:</b>	May cause eye irritation.
<b>Inhalation:</b>	May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
<b>Ingestion:</b>	May be harmful if swallowed. N-Alkyl phosphoric triamide useful as urease inhibitors.

**Medical Conditions Generally Aggravated by Exposure:**

THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED

**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:**

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.

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

Keep tightly closed. Store in a cool dry place.

**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:**

MAY EMIT TOXIC FUMES UNDER FIRE CONDITIONS

**Section 10 - Transportation Information and regulatory information****DOT**

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

**IATA**

Non-Hazardous for Air Transport: Non-hazardous for air transport.

***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.***

8/24/2011