

**1. Chemical Identification**

Catalog Number: N-1028  
Chemical Name: 2'-Azido-2'-deoxycytidine-5'-triphosphate  
Chemical Family: Nucleotide triphosphate  
Date Prepared: 6/16/10

**2. Composition/Ingredients**

CAS number: Custom synthesized compound. No CAS Number.  
Molecular Formula:  $C_9H_{15}O_{13}N_6P_3$   
Components: Single compound in distilled  $H_2O$

**3. Physical and Chemical Properties**

Appearance: Clear Solution  
Percent Purity: NA  
Boiling Point: NA  
Melting Point: NA  
Freezing Point: NA  
pH: NA  
Solubility:  $H_2O$  soluble  
Vapor Density: NA  
Vapor Pressure: NA

**4. Reactivity**

Stability: Stable  
Incompatibility: NA  
Hazardous Decomposition Components: NA

**5. Exposure Controls/Employee Protection**

Respiratory Protection: None needed  
Ventilation: General ventilation  
Protective Gloves: General lab safe gloves  
Eye Protection: Use general eye protection-goggles  
Handling and Storage: Wear appropriate protective clothing and gloves. Store in cold.

**6. Hazards Identification**

Medical Conditions Aggravated: NA  
Primary Routes of Entry: Ingestion  
PEL: NA  
TLV: NA  
LD50: NA

Carcinogenicity:	NA
Toxicity:	NA
RTECS #:	NA
Acute Effects:	NA
Chronic Effects:	NA
Target Organs:	NA

7. **First Aid Measures**

Eyes: Immediately flush eyes with copious amounts of water for at least 15 minutes.  
Skin: Immediately wash skin with soap and copious amounts of water.  
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.  
Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.  
Other: Wash contaminated clothing before re-use.

8. **Fire Fighting Measures**

Upper Flammable Limit: NA  
Lower Flammable Limit: NA  
Upper Explosion Limit: NA  
Lower Explosion Limit: NA  
Flashpoint: NA  
Autoignition Temperature: NA  
Fire Extinguishing Media: Water spray, carbon dioxide, dry chemical powder, or appropriate foam.  
Unusual Fire/Explosion Data: NA

9. **Accidental Release**

Absorb on neutral material. Wash area thoroughly.

10. **Handling and Storage**

Refer to section 5.

11. **Waste Disposal**

Dispose according to federal and state laws.

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