



Azco Biotech, Inc.  
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**dA CE Phosphoramidite**

## **MATERIAL SAFETY DATA SHEET**

Azco Biotech, Inc  
11387 Ocean Ridge Way  
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Revision No.: 1  
Emergency Phone: 800-424-9300  
(CHEMTREC 24hr)

### **SECTION 1. CHEMICAL IDENTIFICATION**

CATALOG #: 20-8120-XX

NAME: dA CE Phosphoramidite

### **SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

Proper Name: 5'-Dimethoxytrityl-N-benzoyl-2'-deoxyAdenosine,3'-[(2-cyanoethyl)-(N,N-diisopropyl)]-phosphoramidite

Chemical Family: Protected Nucleoside

CAS Number: 98796-53-3

M.W.: 857.95

Formula: C<sub>47</sub>H<sub>52</sub>N<sub>7</sub>O<sub>7</sub>P

TRADE NAME: dA CE Phosphoramidite

### **SECTION 3. HAZARDS IDENTIFICATION**

Essentially 100%: 5'-Dimethoxytrityl-N-benzoyl-2'-deoxyAdenosine,3'-[(2-cyanoethyl)-(N,N-diisopropyl)]-phosphoramidite

Contains no Metals, Pigments, Catalysts, Vehicle, Coating, Flux

Exposure Limits OSHA PEL: None assigned

### **SECTION 4. PHYSICAL PROPERTIES**

Appearance: White to off-white free-flowing powder

Odor: None

Vapor Pressure: N/A

Vapor Density: N/A

Percent Volatile by Volume : 0

Specific Gravity: ~1

Solubility in H<sub>2</sub>O: Insoluble



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Melting Point: Not available

Solubility: Acetonitrile

Boiling Point: Decomposes

## **SECTION 5. FIRE AND EXPLOSION HAZARD DATA**

Flash Point: N/A

Flammable Limits:

- A finely divided dust aerosol may be explosive although the exact conditions of the hazard are unknown.
- Avoid dispersing dust.

Extinguishing Media: Use extinguishing media suitable for surrounding fire.

Special Fire Fighting Procedures: None known

Unusual Fire and Explosion Hazards: None known

## **SECTION 6. SPECIAL PROTECTION**

Use with adequate ventilation.

Respiratory Protection:

- A NIOSH dust mask is recommended when a possibility of dust inhalation exists.
- Local exhaust is usually sufficient.
- Protective gloves:
- Impervious gloves are recommended to prevent repeated or prolonged skin contact.

Eye Protection: Laboratory safety glasses should be worn to prevent eye contact.

Other Protective Equipment: Normal laboratory apparel.

## **SECTION 7. Special PRECAUTIONS**

Avoid all direct contact.

Store between 2° and 25°C in a dry area.

## **SECTION 8. REACTIVITY DATA**

Stable material at room temperatures and pressure in a dry environment.

Hazardous polymerization will not occur.

Incompatible with bases, acids, and water.

Avoid moist environments.



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Decomposition Products:

- Toxic oxides of nitrogen and carbon may evolve when heated to decomposition.

## **SECTION 9. HEALTH HAZARD DATA**

Threshold limit value: Unknown.

Overexposure Effects: No data known.

- Material of unknown toxicity should be handled with care; all exposure should be minimized.

Emergency First Aid Procedures:

Ingestion:

- Contact physician.
- Never induce vomiting or give liquids to someone who is unconscious or cannot swallow.

Eye contact: Flush thoroughly with water.

Skin contact: Flush thoroughly with water.

## **SECTION 10. SPILL AND LEAKAGE PROCEDURES**

Take basic hygiene precautions for handling small releases.

Wear gloves, lab coat, and eye protection.

If a spill occurs, sweep up and place material in a suitable container for disposal.

Waste Disposal: Comply with federal, state, and local regulations.

## **SECTION 11. OTHER INFORMATION**

The above information is believed to be correct and shall be used only as a guide. The information may be inclusive. Azco Biotech, Inc. shall not be held liable for any damage resulting from handling or from contact with the above material.