

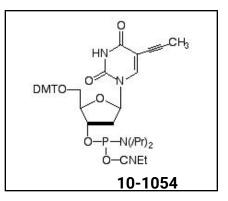
# SAFETY DATA SHEET pdU-CE Phosphoramidite (10-1054-xx)

## 1. Product and Company Identification

**10-1054-xx** pdU-CE Phosphoramidite **For Research Use Only** 

Glen Research LLC 22825 Davis Drive Sterling, VA 20164 USA 1-703-437-6191 www.glenresearch.com msds@glenres.com 1-703-437-6191 198080-43-2 pdU-CE Phosphoramidite

2. Hazards Identification



**GHS Hazard Statements** 

Product Code: Product Name:

**Product Use:** 

CAS Number:

Synonyms:

**Manufacturer Information** 

**Company Name:** 

Phone Number:

Email address:

Web site address:

Information in case of emergency

H303: May be harmful if swallowed.

H313: May be harmful in contact with skin.

H320: Causes eye irritation.

H333: May be harmful if inhaled.

**GHS Precautionary Statements** 

P103: Read label before use.

P232: Protect from moisture.

P233: Keep container tightly closed.

P280: Wear protective gloves / protective clothing / eye protection / face protection.

#### **GHS Response Statements**

P301 + 330: IF SWALLOWED: Rinse mouth with water.

P302 + 350: IF ON SKIN: Gently wash with soap and water.

P304 + 340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + 351 + 338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do so - continue rinsing.

P306 + 360: IF ON CLOTHING: Rinse contaminated clothing and skin immediately with plenty of water before removing clothes.

P314: Get medical advice / attention if you feel unwell.

P362: Take off contaminated clothing and wash before use.

# GHS Storage and Disposal Phrases

P401 Store in a cool, dry place

P501: Dispose of contents / container in a safe way in accordance with all federal, state and local regulations. Emergency Overview

No known OSHA hazards. May cause eye, skin, and respiratory tract irritation.

Route(s) of Entry:

Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes

Potential Health Effects (Acute and Chronic) No data available.
Recommended Exposure Limits No data available.
LD 50 / LC 50 No data available.
Signs and Symptoms of Exposure No data available.
Medical Conditions Generally Aggravated By Exposure No data available.

### 3. Composition/Information on Ingredients

| Product Name           | CAS #                  | Concentration | M.W.   | Formula   |
|------------------------|------------------------|---------------|--------|---|
| pdU-CE Phosphoramidite | 198080-43-2            | 100 %         | 768.85 | C <sub>42</sub> H <sub>49</sub> N <sub>4</sub> O <sub>8</sub> P |
| Synonyms:              | pdU-CE Phosphoramidite |               |        |   |

4. First Aid Measures

### **Emergency and First Aid Procedures**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

In case of skin contact, immediately wash skin with soap and plenty of water.

Remove contaminated clothing.

Wash clothing before reuse.

Get medical attention if symptoms occur after washing.

If swallowed, rinse mouth with water.

Get medical attention.

If in contact with eyes, rinse cautiously with water for several minutes. Get medical attention if symptoms occur after washing. Remove contact lenses if present and continue rinsing.

5. Fire Fighting Measures

| Flash Point:                      | No data                  |  |
|-----------------------------------|--------------------------|--|
| Explosive Limits:                 | LEL: No data             | UEL: No data                                       |
| Fire Fighting Instructions        |                          |  |
| A finely divided dust aerosol may | / be explosive, althougl | h the exact conditions of the hazards are unknown. |
| Wear appropriate protective cloth | hing to prevent contact  | with skin and eyes.                                |
| Wear a self-contained breathing   | apparatus (SCBA) if ne   | cessary.   |
| Flammable Properties and Hazards  |                          | •  |
| No data available.                |                          |  |
| Hazardous Combustion Products     |                          |  |
| Oxides of nitrogen, carbon and pl | hosphorous               |  |
| Suitable Extinguishing Media      |                          |  |
| Use a Class A Extinguisher (Dry o | chemical, carbon dioxic  | le, water or foam).                                |
| Unsuitable Extinguishing Media    |                          |  |
| No data available.                |                          |  |
|                                   |                          |  |

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Sweep up bulk of material and finish by wiping with a damp towel. Do not let product enter the drain.

Wear impermeable gloves, safety glasses and a lab coat when cleaning up the spill.

A NIOSH dust mask is recommended when a possibility of dust inhalation exists. Local exhaust is usually sufficient.

7. Handling and Storage

Precautions To Be Taken in Handling Handle using safe laboratory practices. Avoid all direct contact. Recommended Storage Refrigerated storage, maximum of 2-8°C, dry Precautions To Be Taken in Storing Keep container tightly closed. Store in well-ventilated place. Other Precautions Protect from sunlight. 8. Exposure Controls/Personal Protection Product Name CAS # OSHA PEL ACGIH TLV Other Limits

| Product Name                             | CAS #                               | OSHA PEL           | ACGIH TLV | Other Limit |
|--|-------------------------------------|--------------------|-----------|-------------|
| pdU-CE Phosphoramidite                   | 198080-43-2                         | No data            | No data   | No data     |
| Respiratory Equipment (Specify Type)     |                                     |                    |           |             |
| A NIOSH dust mask is recommended         | when a possibility                  | of dust inhalation | n exists. |             |
| Eye Protection                           |                                     |                    |           |             |
| Safety glasses                           |                                     |                    |           |             |
| Protective Gloves                        |                                     |                    |           |             |
| Impermeable gloves                       |                                     |                    |           |             |
| Other Protective Clothing                |                                     |                    |           |             |
| Normal laboratory apparel                |                                     |                    |           |             |
| Engineering Controls (Ventilation etc.)  | <i>.</i>                            |                    |           |             |
| Local exhaust ventilation is usually su  | fficient                            |                    |           |             |
| Work/Hygienic/Maintenance Practices      |                                     |                    |           |             |
| Wash hands after handling                |                                     |                    |           |             |
|  | 9. Physical and Chemical Properties |                    |           |             |
| Physical State:                          | [ ] Gas                             | [] Liquid          | [X] Solid |             |
| Appearance:                              | White to off-wh                     | ite crisp foam     |           |             |
| Odor:                                    | Odorless                            | -                  |           |             |
| Odor Threshold:                          | No data                             |                    |           |             |
| pH:                                      | No data                             |                    |           |             |
| Melting Point:                           | No data                             |                    |           |             |
| Freezing Point:                          | No data                             |                    |           |             |
| Initial Boiling Point and Boiling Range: | No data                             |                    |           |             |
| Flash Point:                             | No data                             |                    |           |             |
| Specific Gravity:                        | ~1                                  |                    |           |             |
| Evaporation Rate (Water=1):              | << 1                                |                    |           |             |
| Flammability:                            | No data                             |                    |           |             |
| Explosive Limits:                        | LEL: No data                        | UEL: No data       |           |             |

| Vapor Pressure (vs. Air or mm Hg):   | No data                     |                       |                    |                                     |
|--|-----------------------------|-----------------------|--------------------|-------------------------------------|
| Vapor Density (vs. Air = 1):   | No data                     |                       |                    |                                     |
| Relative Density:  | No data                     |                       |                    |                                     |
| Solubility in Water:   | No data                     |                       |                    |                                     |
| Partition Coefficient (n-octanol/water):   | No data                     |                       |                    |                                     |
| Auto-ignition Temperature:   | No data                     |                       |                    |                                     |
| Decomposition Temperature:   | No data                     |                       |                    |                                     |
| Viscosity:   | No data                     |                       |                    |                                     |
| Percent Volatile:  | No data                     |                       |                    |                                     |
|  | 10. St                      | ability and Read      | ctivity            |                                     |
| Stability:   | Unstable [ ]                | Stable [X]            |                    |                                     |
| Conditions To Avoid - Instability  |                             |                       |                    |                                     |
| Stable under recommended storage co  | onditions.                  |                       |                    |                                     |
| Incompatibility - Materials To Avoid   |                             |                       |                    |                                     |
| Strong oxidizing reagents  |                             |                       |                    |                                     |
| Hazardous Decomposition or Byproducts  |                             |                       |                    |                                     |
| Oxides of nitrogen, carbon and phosph  | •                           |                       | •                  |                                     |
| Possibility of Hazardous Reactions:  | Will occur [ ]              | Will not occu         | ır [X]             |                                     |
| Conditions To Avoid - Hazardous Reaction   |                             |                       |                    |                                     |
| Stable material, hazardous polymeriza  |                             |                       |                    |                                     |
|  | 11. Tox                     | icological Infor      | mation             |                                     |
| To the best of our knowledge, the toxic<br>This product should be handled with the<br>Product Name<br>pdU-CE Phosphoramidite |                             | n dealing with<br>NTP |                    | en investigated.<br>OSHA<br>No data |
|  | 12. Ecological Information  |                       |                    |                                     |
|  |                             | <u>-</u>              |                    |                                     |
| No data available.   |                             |                       |                    |                                     |
|  | 13. Disposal Considerations |                       |                    |                                     |
| Waste Disposal Method  |                             |                       |                    |                                     |
| For Product - Observe all federal, state   | e and local regula          | tions.                |                    |                                     |
| For Contaminated Packaging - Dispos  | e of in compliance          | e with regulatio      | ns.                |                                     |
| Sweep up bulk of material and finish b   | y wiping with a da          | amp towel. Disp       | oose of unused pro | duct.                               |
|  | 14. Transport Information   |                       |                    |                                     |
| LAND TRANSPORT (49CFR)   |                             |                       |                    |                                     |
| 49CFR Shipping Name  | Not a dangerou              | e cubetanco ac        | defined in the reg | ulations                            |
| AIR TRANSPORT (ICAO/IATA)  | Not a dangerou              | s substance as        | denned in the reg  | ulations.                           |
| ICAO/IATA Shipping Name  | Not a dangerou              | s substance as        | defined in the reg | ulations                            |
| MARINE TRANSPORT (IMDG/IMO)  | u dangerou                  |                       |                    |                                     |
| IMDG/IMO Shipping Name   | Not a dangerou              | s substance as        | defined in the reg | ulations.                           |
| Marine Pollutant:  | No                          |                       |                    |                                     |
| Additional Transport Information   | -                           |                       |                    |                                     |
| Not regulated as a hazardous material  | l or dangerous go           | ods.                  |                    |                                     |

15. Regulatory Information

**Regulatory Information** 

SARA 302 Components: No chemicals in this product are subject to reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This product does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

## 16. Other Information

For all other inquiries about this product contact Glen Research at 1-800-327-GLEN or 1-703-437-6191.

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