

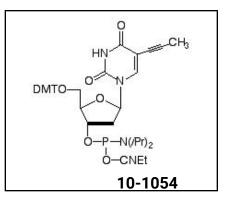
SAFETY DATA SHEET pdU-CE Phosphoramidite (10-1054-xx)

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 ₄₂ H ₄₉ N ₄ O ₈ 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 This product should be handled with the Product Name pdU-CE Phosphoramidite		n dealing with NTP		en investigated. OSHA 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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