

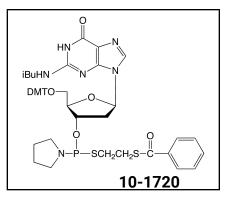
SAFETY DATA SHEET dG-Thiophosphoramidite (10-1720-xx)

1. Product and Company Identification

10-1720-xx dG-Thiophosphoramidite For Research Use Only **Manufacturer Information**

> Glen Research LLC 22825 Davis Drive Sterling, VA 20164 USA 1-703-437-6191 www.glenresearch.com msds@glenres.com 1-703-437-6191 No data dG-Thiophosphoramidite

> > 2. Hazards Identification



GHS Hazard Statements

Company Name:

Phone Number:

Email address:

Web site address:

Information in case of emergency

Product Code: Product Name:

Product Use:

CAS Number:

Synonyms:

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
dG-Thiophosphoramidite	No data	100 %	937.07	$C_{48}H_{53}N_6O_8PS_2$
Synonyms:	dG-Thiophosphoramidite			

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 ex	plosive, although	the exact conditions of the hazards are unknown.
Wear appropriate protective clothing to	prevent contact	with skin and eyes.
Wear a self-contained breathing appara	atus (SCBA) if neo	cessary.
Flammable Properties and Hazards		-
No data available.		
Hazardous Combustion Products		
Oxides of nitrogen, carbon and phosph	orous	
Suitable Extinguishing Media		
Use a Class A Extinguisher (Dry chemic	cal, carbon dioxid	e, water or foam).
Unsuitable Extinguishing Media		
No data available.		

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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 Freezer storage, -10 to -30°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	
dG-Thiophosphoramidite	No data	No data	No data	No data	
Respiratory Equipment (Specify Type)					
A NIOSH dust mask is recommende	ed when a possibi	lity of dust inhalatio	on exists.		
Eye Protection					
Safety glasses					
Protective Gloves					
Impermeable gloves					
Other Protective Clothing					
Normal laboratory apparel					
Engineering Controls (Ventilation etc.)					
Local exhaust ventilation is usually	sufficient				
Work/Hygienic/Maintenance Practices					
Wash hands after handling					
	9. Physical and Chemical Properties				
Physical State:	[]Gas	[] Liquid	[X] Solid		
Appearance:	White to off-white free-flowing powder				

	[]	[]	
Appearance:	White to off-white free-flowing powder		
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			
· · · · · · · · · · · · · · · · · · ·	No data			
Percent Volatile:	No data			
	10. S	ability and Read	tivity	
Stability:	Unstable []	Stable [X]		
Conditions To Avoid - Instability Stable under recommended storage o	conditions.			
Incompatibility - Materials To Avoid Strong oxidizing reagents				
Hazardous Decomposition or Byproducts				
Oxides of nitrogen, carbon and phosp	horous may evolv	e when heated i	o decomposition	
Possibility of Hazardous Reactions:	Will occur []	Will not occu	-	
Conditions To Avoid - Hazardous Reaction				
Stable material, hazardous polymeriz		ır.		
	11. Tox	cicological Inform	mation	
To the best of our knowledge, the tox This product should be handled with t Product Name dG-Thiophosphoramidite	the usual care who CAS # No data		chemicals. IARC No data	en investigated. OSHA No data
		•		
No data available.				
	13. Dis	posal Consider	ations	
Waste Disposal Method				
For Product - Observe all federal, stat	te and local regula	tions.		
For Contaminated Packaging - Dispos	se of in complianc	e with regulatio	ns.	
Sweep up bulk of material and finish	by wiping with a d	amp towel. Disp	ose of unused pro	oduct.
	14. T	ransport Inform	ation	
LAND TRANSPORT (49CFR)	N			
49CFR Shipping Name AIR TRANSPORT (ICAO/IATA)	Not a dangerou	is substance as	defined in the reg	julations.
ICAO/IATA Shipping Name	Not a dangara	is substance as	defined in the reg	ulations
MARINE TRANSPORT (IMDG/IMO)	Not a daligefor	is substance ds	denned in the fey	juiations.
IMDG/IMO Shipping Name	Not a dangerou	is substance as	defined in the reg	ulations
Marine Pollutant:	No	a substance as	actinica in the reg	Janut (113.
Additional Transport Information				
Not regulated as a hazardous materia	l or dangerous go	ods.		
J	J J -			

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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