

**SAFETY DATA SHEET** This safety data sheet was created pursuant to the requirements of:

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

#### Revision date 03-Jun-2024

#### Revision Number 1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product Catalog Number:	Product Description:	
10-1020-XX	5'-Dimethoxytrityl-N-isobutyryl-2'-deoxyGuanosine,3'-[(2-cyanoethyl)- (N,N-diisopropyl)]-phosphoramidite	
Product Code(s) 10-1020-XX	Product Name dG-CE Phosphoramidite	
Pure substance/mixture Formula	Substance C44H54N7O8P	
Molecular weight	839.92	
1.2. Relevant identified uses of t	he substance or mixture and uses advised against	
Recommended use	For research use only	
Uses advised against	Not for human diagnostic use	
1.3. Details of the supplier of the	e safety data sheet	
For further information, please con	tact	
E-mail address	support@glenresearch.com	
Website	www.glenresearch.com	
Company Phone Number	1-703-437-6191	
1.4. Emergency telephone numb	er	

### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### 2.2. Label elements

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP] **Hazard statements** This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### 2.3. Other hazards

No information available.

## **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

Chemical name	Weight-%	REACH registration number		Classification according to Regulation (EC) No. 1272/2008 [CLP]		M-Factor	M-Factor (long-term)
5'-Dimethoxytrityl-N- isobutyryl-2'-deoxyG uanosine, 3'-[(2-cyanoethyl)-(N ,N-diisopropyl)]- phosphoramidite 93183-15-4		No data available	-	No data available	_	-	-

#### Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate No information available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures			
4.1. Description of first aid measures			
General advice	This product presents no hazards under normal conditions of use.		
Inhalation	Not an expected route of exposure. IF exposed or concerned: Get medical advice/attention.		
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
Skin contact	Wash skin with soap and water. Get medical attention if symptoms occur.		
Ingestion	Not an expected route of exposure. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.		
4.2. Most important symptoms and effects, both acute and delayed			
Symptoms	No information available.		
4.3. Indication of any immediate medical attention and special treatment needed			
Note to physicians	Treat symptomatically.		

## SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.		
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.		
5.2. Special hazards arising from the substance or mixture			
Specific hazards arising from the chemical	No information available.		
Hazardous combustion products	Nitrogen oxides (NOx). Carbon oxides. Phosphorus oxides.		
5.3. Advice for firefighters			
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.		

#### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures **Personal precautions** Ensure adequate ventilation. Use personal protective equipment as required. Use personal protection recommended in Section 8. For emergency responders 6.2. Environmental precautions **Environmental precautions** See Section 12 for additional Ecological Information. 6.3. Methods and material for containment and cleaning up Prevent further leakage or spillage if safe to do so. Methods for containment Methods for cleaning up Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations. 6.4. Reference to other sections **Reference to other sections** See section 8 for more information. See section 13 for more information.

## **SECTION 7: Handling and storage**

7.1. Precautions for safe handling	-		
Advice on safe handling	Ensure adequate ventilation. Use personal protection equipment. Wash thoroughly after handling.		
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.		
7.2. Conditions for safe storage, including any incompatibilities			
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place.		
7.3. Specific end use(s)			

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### **Biological occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

8.2. Exposure controls

Engineering controls	Showers Eyewash stations Ventilation systems
Personal protective equipment	
Eye/face protection	If splashes are likely to occur:. Wear safety glasses with side shields (or goggles).
Skin and body protection	If there is a risk of contact:. Wear suitable protective clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Thermal hazards	No information available.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	No information available.

#### SECTION 9: Physical and chemical properties

Ind chemical properties
Solid
Free-flowing powder
White to off-white
Odorless
No information available
<u>Values</u>
No data available
eNo data available
No data available
No data available

Remarks • Method No data available No data available No information available No information available

No information available No information available No data available No data available No information available No data available No data available None known

No information available No information available No information available

No information available

None known

limits	
Lower flammability or explosive	No data available
limits	
Flash point	No data available
Autoignition temperature	No data available
Decomposition temperature	
рН	No data available
pH (as aqueous solution)	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Water solubility	No data available
Solubility(ies)	No data available
Partition coefficient	No data available
Vapor pressure	No data available
Relative density	~1
Bulk density	No data available
Liquid Density	No data available
Relative vapor density	No data available
Particle characteristics	
Particle Size	No information available
Particle Size Distribution	No information available
9.2. Other information	
Molecular weight	839.92

9.2.1. Information with regard to physical hazard classes Not applicable No information available

9.2.2. Other safety characteristics No information available

## SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity

No information available.

10.2. Chemical stability

Stability

Stable under normal conditions.

Explosion data Sensitivity to mechanical impact None. Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions.

## **SECTION 11: Toxicological information**

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

#### Product Information

Product Information				
Inhalation	Specific test data for the substance or mixture is not available.			
Eye contact	Specific test data for the substance or mixture is not available.			
Skin contact	Specific test data for the substance or mixture is not available.			
Ingestion	Specific test data for the substance or mixture is not available.			
Symptoms related to the physical, of	chemical and toxicological characteristics			
Symptoms	No information available.			
Acute toxicity				
Numerical measures of toxicity No information available				
Delayed and immediate effects as v	Delayed and immediate effects as well as chronic effects from short and long-term exposure			
Skin corrosion/irritation	No information available.			
Serious eye damage/eye irritation	No information available.			
Respiratory or skin sensitization	No information available.			
Germ cell mutagenicity	No information available.			
Carcinogenicity	No information available.			
Reproductive toxicity	No information available.			
STOT - single exposure	No information available.			

**STOT - repeated exposure** No information available.

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information			
Other adverse effects	No information available.		
SECTION 12: Ecological in	nformation		
12.1. Toxicity			
Ecotoxicity	The environmental impact of this product has not been fully investigated.		
12.2. Persistence and degradability			
Persistence and degradability	No information available.		
12.3. Bioaccumulative potential			
Bioaccumulation	There is no data for this product.		
12.4. Mobility in soil			
Mobility in soil	No information available.		
12.5. Results of PBT and vPvB assessment			
PBT and vPvB assessment	No information available.		
12.6. Endocrine disrupting properties			
Endocrine disrupting properties	No information available.		

# **12.7.** Other adverse effects No information available.

## SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Dispose of in accordance with federal, state and local regulations. Do not reuse empty containers.

## **SECTION 14: Transport information**

IATA	
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

#### IMDG

vailable

## SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

#### Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### Persistent Organic Pollutants

Not applicable

#### Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

International Inventories TSCA DSL/NDSL EINECS/ELINCS

Not determined Not determined Not determined

ENCS	Not determined
IECSC	Not determined
KECI	Not determined
PICCS	Not determined Not determined Not determined

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

- KECL Korean Existing and Evaluated Chemical Substances
- PICCS Philippines Inventory of Chemicals and Chemical Substances
- AIIC Australian Inventory of Industrial Chemicals

15.2. Chemical safety assessment

**Chemical Safety Report** No information available

### SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

#### Legend

SVHC: Substances of Very High Concern for Authorization:

Legend	Section 8: Exposure controls/personal protect	ion	
TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation

**Revision date** 03-Jun-2024

## Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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