



# SAFETY DATA SHEET

United States

## Section 1. Identification

Product name

**7-Deaza-2'-Deoxyguanosine 5'-Triphosphate,  
5mM Solution (c<sup>7</sup>dGTP), 2 μmol**

Catalogue Number

27-2090-02



9 0 2 7 2 0 9 0 0 2

Other means of identification Not available.

Product type Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

#### Identified uses

Industrial applications: Analytical chemistry. Research.

Not applicable.

Supplier

Cytiva  
Amersham Place  
Little Chalfont  
Buckinghamshire  
HP7 9NA United Kingdom  
+44 0800 515 313

Cytiva USA  
100 Results Way  
Marlborough, MA 01752  
1-800-526-3593

In case of emergency ChemTrec US (available 24/7) **1-800-424-9300**

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## Section 2. Hazards identification

OSHA/HCS status

Classification of the substance or mixture Not classified.

### GHS label elements

Signal word

Hazard statements

Precautionary statements

Prevention

Response

Storage

Disposal

Supplemental label elements

Hazards not otherwise classified

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## Section 3. Composition/information on ingredients

Substance/mixture Mixture

Other means of identification Not available.

### CAS number/other identifiers

CAS number

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**



Occupational exposure limits, if available, are listed in Section 8.

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## Section 4. First aid measures

### Description of necessary first aid measures

Eye contact  
Inhalation  
Skin contact  
Ingestion

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

Eye contact  
Inhalation  
Skin contact  
Ingestion

#### Over-exposure signs/symptoms

Eye contact  
Inhalation  
Skin contact  
Ingestion

### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician  
Specific treatments

Protection of first-aiders

See toxicological information (Section 11)

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## Section 5. Fire-fighting measures

### Extinguishing media

Suitable extinguishing media  
Unsuitable extinguishing  
media

Specific hazards arising from  
the chemical

Hazardous thermal  
decomposition products

Special protective actions for  
fire-fighters

Special protective equipment  
for fire-fighters

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## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

For non-emergency personnel  
For emergency responders

Environmental precautions

### Methods and materials for containment and cleaning up

Small spill  
Large spill

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## Section 7. Handling and storage

### Precautions for safe handling

Protective measures

Advice on general occupational hygiene

Conditions for safe storage, including any incompatibilities

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## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

Appropriate engineering controls

Environmental exposure controls

### Individual protection measures

Hygiene measures

Eye/face protection

#### Skin protection

Hand protection

Body protection

Other skin protection

Respiratory protection

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## Section 9. Physical and chemical properties

### Appearance

Physical state	Liquid.
Color	Colorless.
Odor	Odorless.
Odor threshold	Not available.
pH	Not available.
Melting point	Not available.
Boiling point	Not available.
Flash point	[Product does not sustain combustion.]
Burning time	Not applicable.
Burning rate	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Non-flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat, shocks and mechanical impacts, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture.
Lower and upper explosive (flammable) limits	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility	Easily soluble in the following materials: cold water and hot water.
Solubility in water	Not available.
Partition coefficient: n-octanol/water	
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
SADT	Not available.
Viscosity	Not available.
Flow time (ISO 2431)	Not available.

### Aerosol product

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## Section 10. Stability and reactivity

### Reactivity

#### Chemical stability

#### Possibility of hazardous reactions

#### Conditions to avoid

#### Incompatible materials

#### Hazardous decomposition products

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## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### Mutagenicity

Not available.

#### Carcinogenicity

Not available.

#### Reproductive toxicity

Not available.

#### Teratogenicity

Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.

**Information on the likely routes of exposure**    Routes of entry anticipated: Oral.

### Potential acute health effects

Eye contact

Inhalation

Skin contact

Ingestion

### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact

Inhalation

Skin contact

Ingestion

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects**    Not available.

**Potential delayed effects**    Not available.

#### Long term exposure

**Potential immediate effects**    Not available.

**Potential delayed effects**    Not available.

### Potential chronic health effects



Not available.

**General**  
**Carcinogenicity**  
**Mutagenicity**  
**Teratogenicity**  
**Developmental effects**  
**Fertility effects**

**Numerical measures of toxicity**

**Acute toxicity estimates**

N/A

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**Section 12. Ecological information**

**Toxicity**

Not available.

**Persistence and degradability**

Not available.

**Bioaccumulative potential**

Not available.

**Mobility in soil**

Soil/water partition coefficient (K<sub>oc</sub>) Not available.

**Other adverse effects**

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**Section 13. Disposal considerations**

**Disposal methods**

**RCRA classification** Not classified.

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**Section 14. Transport information**

Product is not regulated as dangerous goods for transport.

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**Section 15. Regulatory information**

**U.S. Federal regulations**

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	Not listed
Clean Air Act Section 602 Class I Substances	Not listed
Clean Air Act Section 602 Class II Substances	Not listed
DEA List I Chemicals (Precursor Chemicals)	Not listed
DEA List II Chemicals (Essential Chemicals)	Not listed

**SARA 302/304**

**Composition/information on ingredients**

No products were found.

**SARA 304 RQ**

**SARA 311/312**

**Classification**

**Composition/information on ingredients**

No products were found.

**State regulations**

Massachusetts	This material is not listed.
New York	This material is not listed.
New Jersey	This material is not listed.
Pennsylvania	This material is not listed.

**International regulations**

**Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol**



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Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

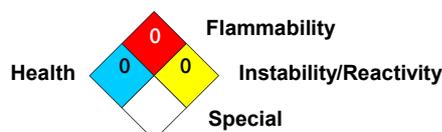
**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**Inventory list**

<b>United States</b>	Not determined.
<b>Europe</b>	Not determined.
<b>Canada inventory</b>	Not determined.

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**Section 16. Other information****National Fire Protection Association (U.S.A.)**

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

**Procedure used to derive the classification**

	<b>Classification</b>	<b>Justification</b>
	Not classified.	

**History**

<b>Date of printing</b>	5/20/2020
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**Key to abbreviations**

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ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
N/A = Not available  
UN = United Nations

**References**

Not available.

▀ Indicates information that has changed from previously issued version.

**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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