



# SAFETY DATA SHEET

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

Revision date 30-Jan-2026

Revision Number 1.01

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

### 1.1. Product identifier

Product Code(s) BA0033

Product Name dSpacer CE-Phosphoramidite

PR No

| Product description                                            | Product Code(s) |
|----------------------------------------------------------------|-----------------|
| dSpacer CE-Phosphoramidite, 250 mg, ABI (10 mL / 20 mm Septum) | BA0033-B250     |
| dSpacer CE-Phosphoramidite, BULK (g), Glass Screw-Top          | BA0033-C000     |
| dSpacer CE-Phosphoramidite, 1 g, MerMade (30 mL / 28-400)      | BA0033-C001     |
| dSpacer CE-Phosphoramidite, 1.75 g, ABI (60 mL / 20 mm Septum) | BA0033-C00175   |
| dSpacer CE-Phosphoramidite, 3 g, ABI (60 mL / 20 mm Septum)    | BA0033-C003     |
| dSpacer CE-Phosphoramidite, 5 g, Glass Screw-Top               | BA0033-C005     |
| dSpacer CE-Phosphoramidite                                     | BA0033          |

Form Not applicable

NOTE [8] - No registration number is given for this substance because it is under the threshold in REACH Article 6(1) and not subject to the registration requirements according to REACH Title II

EC No. (Index No.) -

CAS No. 129821-76-7

Pure substance/mixture Substance

Formula C35H45N2O6P

Molecular weight 620.7

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

Recommended use Laboratory use

Uses advised against No information available

### 1.3. Details of the supplier of the safety data sheet



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Revision date 30-Jan-2026

Revision Number 1.01

## BA0033 - dSpacer CE-Phosphoramidite

### Supplier

LGC Genomics Ltd.  
3 Mallard Way, Strathclyde Business Park  
Bellshill ML4 3BF  
UK  
Tel: +44 (0) 1698 849911 (between 9am-5pm GMT)

For further information, please contact

E-mail address [genomics.sdsrequest@lgcgroup.com](mailto:genomics.sdsrequest@lgcgroup.com)

### 1.4. Emergency telephone number

Emergency Telephone For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or  
Accident Call Poison Control Center, Poison information centre Mainz, +49-(0)-6131-19240  
(24h)  
CHEMTREC: USA & Canada 1-800-424-9300 Rest of the world +1 703-741-3877

| Emergency Telephone - §45 - (EC)1272/2008 |                          |
|-------------------------------------------|--------------------------|
| Europe                                    | 112                      |
| Austria                                   | No information available |
| Bulgaria                                  |                          |
| Croatia                                   |                          |
| Cyprus                                    |                          |
| Czech Republic                            |                          |
| Denmark                                   |                          |
| France                                    |                          |
| Hungary                                   |                          |
| Ireland                                   |                          |
| Italy                                     |                          |
| Lithuania                                 |                          |
| Luxembourg                                |                          |
| Netherlands                               |                          |
| Norway                                    |                          |
| Portugal                                  |                          |
| Romania                                   |                          |
| Slovakia                                  |                          |
| Slovenia                                  |                          |
| Spain                                     |                          |
| Sweden                                    |                          |



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Revision date 30-Jan-2026

Revision Number 1.01

BA0033 - dSpacer CE-Phosphoramidite

Switzerland

## 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

129821-76-7

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

Other hazards No information available.

PBT & vPvB This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

This product does not contain any known or suspected endocrine disruptors.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

| Chemical name                                                                              | Weight-% | REACH registration number | EC No. (Index No.) | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) | Notes |
|--------------------------------------------------------------------------------------------|----------|---------------------------|--------------------|-----------------------------------------------------------------|------------------------------------|----------|----------------------|-------|
| (2R,3S)-2-((bis(4-methoxyphenyl)(phenyl)methoxy)methyl)tetrahydrofuran-3-yl (2-cyanoethyl) | 100      | -                         | -                  | -                                                               | -                                  | -        | -                    | -     |



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Revision Number 1.01

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|                                           |  |  |  |  |  |  |  |  |
|-------------------------------------------|--|--|--|--|--|--|--|--|
| diisopropylphosphoramidite<br>129821-76-7 |  |  |  |  |  |  |  |  |
|-------------------------------------------|--|--|--|--|--|--|--|--|

**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  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|              |                                                                                                                   |
|--------------|-------------------------------------------------------------------------------------------------------------------|
| Inhalation   | Remove to fresh air.                                                                                              |
| Eye contact  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor. |
| Skin contact | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.                 |
| Ingestion    | Rinse mouth.                                                                                                      |

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Effects of Exposure No information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the



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|                                       |                                                                    |
|---------------------------------------|--------------------------------------------------------------------|
|                                       | surrounding environment.                                           |
| <b>Large Fire</b>                     | CAUTION: Use of water spray when fighting fire may be inefficient. |
| <b>Unsuitable extinguishing media</b> | Do not scatter spilled material with high pressure water streams.  |

## 5.2. Special hazards arising from the substance or mixture

|                                                   |                           |
|---------------------------------------------------|---------------------------|
| <b>Specific hazards arising from the chemical</b> | No information available. |
|---------------------------------------------------|---------------------------|

## 5.3. Advice for firefighters

|                                                                       |                                                                                                                                       |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Special protective equipment and precautions for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.<br>Use personal protection equipment. |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|

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

### 6.1. Personal precautions, protective equipment and emergency procedures

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| <b>Personal precautions</b>     | Ensure adequate ventilation.                      |
| <b>For emergency responders</b> | Use personal protection recommended in Section 8. |

### 6.2. Environmental precautions

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information. |
|----------------------------------|-------------------------------------------------------|

### 6.3. Methods and material for containment and cleaning up

|                                        |                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------|
| <b>Methods for containment</b>         | Prevent further leakage or spillage if safe to do so.                                |
| <b>Methods for cleaning up</b>         | Take up mechanically, placing in appropriate containers for disposal.                |
| <b>Prevention of secondary hazards</b> | Clean contaminated objects and areas thoroughly observing environmental regulations. |

### 6.4. Reference to other sections

|                                    |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| <b>Reference to other sections</b> | See section 8 for more information. See section 13 for more information. |
|------------------------------------|--------------------------------------------------------------------------|

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

### 7.1. Precautions for safe handling

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Revision Number 1.01

## BA0033 - dSpacer CE-Phosphoramidite

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**Advice on safe handling** Ensure adequate ventilation.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Wear suitable gloves and eye/face protection.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Please refer to the manufacturer's certificate for specific storage and transport temperature conditions. Store only in the original receptacle unless other advice is given on the CoA.

### TRGS510 Storage of hazardous substances in portable containers

**Storage class (TRGS 510)** LGK 11.

### 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.

**Derived No Effect Level (DNEL) - Workers** No information available

**Derived No Effect Level (DNEL) - General Public** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2. Exposure controls

#### Personal protective equipment

**Eye/face protection** Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

**Hand protection** The protective gloves to be used must comply with the specifications of (EU) 2016/425.

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Revision date 30-Jan-2026

Revision Number 1.01

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Wear protective nitrile rubber gloves.

### Skin and body protection

Wear suitable protective clothing.

### Respiratory protection

Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.

### Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                 |                          |
|-----------------|--------------------------|
| Appearance      | Resin                    |
| Physical state  | Solid                    |
| Colour          | clear, and, colourless   |
| Odour           | No information available |
| Odour threshold | No information available |

| Property                                                 | Values            | Remarks • Method |
|----------------------------------------------------------|-------------------|------------------|
| Melting point / freezing point                           | No data available | None known       |
| Boiling point or initial boiling point and boiling range | No data available | None known       |
| Flammability                                             | No data available | None known       |
| Lower and upper explosion limit/flammability limit       |                   | None known       |
| Lower explosion limit                                    | No data available |                  |
| Upper explosion limit                                    | No data available |                  |
| Flash point                                              | No data available | None known       |
| Autoignition temperature                                 | No data available | None known       |
| Decomposition temperature                                |                   | None known       |
| SADT (°C)                                                | No data available | None known       |
| pH                                                       | No data available | None known       |
| pH (as aqueous solution)                                 | No data available | None known       |
| Kinematic viscosity                                      | No data available | None known       |
| Dynamic viscosity                                        | No data available | None known       |
| Solubility                                               | No data available | None known       |
| Water solubility                                         | No data available | None known       |
| Partition coefficient n-octanol/water (log value)        | No data available | None known       |
| Vapour pressure                                          | No data available | None known       |
| Density and/or relative density                          | No data available | None known       |
| Bulk density                                             | No data available |                  |



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Revision date 30-Jan-2026

Revision Number 1.01

## BA0033 - dSpacer CE-Phosphoramidite

|                            |                          |            |
|----------------------------|--------------------------|------------|
| Liquid Density             | No data available        |            |
| Relative vapour density    | No data available        | None known |
| Particle characteristics   |                          |            |
| Particle Size              | No information available |            |
| Particle Size Distribution | No information available |            |

### 9.2. Other information

|                   |             |
|-------------------|-------------|
| Molecular formula | C35H45N2O6P |
| Molecular weight  | 620.7       |

#### 9.2.1. Information with regards to physical hazard classes

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 known based on information supplied. |
|----------------------------------|-------------------------------------------|



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Revision date 30-Jan-2026

Revision Number 1.01

BA0033 - dSpacer CE-Phosphoramidite

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## 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

|              |                                                                   |
|--------------|-------------------------------------------------------------------|
| 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, chemical and toxicological characteristics

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Symptoms                              | No information available.                                         |
| Acute toxicity                        | Based on available data, the classification criteria are not met. |
| <u>Numerical measures of toxicity</u> | No information available                                          |

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| Skin corrosion/irritation         | Based on available data, the classification criteria are not met. |
| Serious eye damage/eye irritation | Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitisation | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity            | Based on available data, the classification criteria are not met. |
| Carcinogenicity                   | Based on available data, the classification criteria are not met. |
| Reproductive toxicity             | Based on available data, the classification criteria are not met. |



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Revision Number 1.01

## BA0033 - dSpacer CE-Phosphoramidite

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**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

**Endocrine disruption for human health** This product does not contain any known or suspected endocrine disruptors.

#### 11.2.2. Other information

**Other adverse effects** No information available.

## SECTION 12: Ecological information

12.1. Toxicity No information available.

12.2. Persistence and degradability No information available.

12.3. Bioaccumulative potential No information available.

12.4. Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment No information available.

12.6. Endocrine disrupting properties Based on available data, the classification criteria are not met.



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Revision date 30-Jan-2026

Revision Number 1.01

BA0033 - dSpacer CE-Phosphoramidite

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

**PMT or vPvM properties** Based on available data, the classification criteria are not met.

## 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** Do not reuse empty containers.

## SECTION 14: Transport information

### IATA

**14.1 UN number or ID number** Not regulated

**14.2**

**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

**14.1 UN number or ID number** Not regulated

**14.2**

**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

**14.7 Maritime transport in bulk according to IMO instruments** No information available

### RID

**14.1 UN number or ID number** Not regulated

**14.2**

**14.3 Transport hazard class(es)** Not regulated

**14.4 Packing group** Not regulated

**14.5 Environmental hazards** Not applicable



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Revision date 30-Jan-2026

Revision Number 1.01

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### 14.6 Special precautions for user

Special Provisions None

#### ADR

|                                   |                |
|-----------------------------------|----------------|
| 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           |

#### ADN

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

## SECTION 15: Regulatory information

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

#### National regulations

##### Germany

Water hazard class (WGK) non-hazardous to water (nwg)

##### Chemical Prohibition Ordinance (ChemVerbotsV)

Not applicable.

TRGS 905 Not applicable

##### Switzerland

|                                                                                |                           |
|--------------------------------------------------------------------------------|---------------------------|
| Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018 | Not applicable            |
| Storage of Hazardous Material                                                  | SC Non-hazardous material |
| WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20                                  | Not applicable            |
| Major Accidents Ordinance SR 814.012                                           | Not applicable            |



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Revision date 30-Jan-2026

Revision Number 1.01

## BA0033 - dSpacer CE-Phosphoramidite

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### 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.

### Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (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) 2024/590

Not applicable.

### Explosives Precursors Marketing and Use (2019/1148)

Not applicable.

### International Inventories

#### TSCA

U.S. INVENTORY (TSCA): Not listed on inventory. For purposes of 40 CFR 720.36, this product is for Research and Development (R&D) Use Only

#### DSL/NDSL

Contact supplier for inventory compliance status

#### EINECS/ELINCS

Contact supplier for inventory compliance status

#### ENCS

Contact supplier for inventory compliance status

#### IECSC

Contact supplier for inventory compliance status

#### KECL

Contact supplier for inventory compliance status

#### PICCS

Contact supplier for inventory compliance status

#### AIIC

Contact supplier for inventory compliance status

#### NZIoC

Contact supplier for inventory compliance status

#### TCSI

Contact supplier for inventory compliance status

### 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 Chemicals Inventory

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances



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Revision date 30-Jan-2026

Revision Number 1.01

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NZIoC - New Zealand Inventory of Chemicals  
TCSI - Taiwan Chemical Substance Inventory

### 15.2. Chemical safety assessment

#### Chemical Safety Report

A Chemical Safety Assessment is not required for this substance

## SECTION 16: Other information

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

List may include phrases which are not applicable to this product

|           |                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------|
| ACGIH     | American Conference of Governmental Industrial Hygienists                                           |
| AIDII     | Italian Association of Industrial Hygienists                                                        |
| ADN       | Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)     |
| ADR       | Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)                 |
| AIIC      | Australian Inventory of Industrial Chemicals                                                        |
| ATE       | Acute Toxicity Estimate                                                                             |
| ASTM      | American Society for the Testing of Materials                                                       |
| bar       | Biological Reference Values for Chemical Compounds in the Work Area                                 |
| BAT       | Biological tolerance values for occupational exposure                                               |
| BEL       | Biological exposure limits                                                                          |
| bw        | Body weight                                                                                         |
| Ceiling   | Maximum limit value                                                                                 |
| CLP       | Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008                    |
| CMR       | Carcinogen, Mutagen or Reproductive Toxicant                                                        |
| DFG       | German Research Foundation                                                                          |
| DOT       | Department of Transportation (United States)                                                        |
| DSL       | Domestic Substances List (Canada)                                                                   |
| ECHA      | European Chemicals Agency                                                                           |
| EC Number | European Community number                                                                           |
| EmS       | Emergency Schedule                                                                                  |
| ENCS      | Existing and New Chemical Substances (Japan)                                                        |
| EPA       | Environmental Protection Agency                                                                     |
| EWC       | European Waste Codes                                                                                |
| GHS       | Globally Harmonized System                                                                          |
| IARC      | International Agency for Research on Cancer                                                         |
| IATA      | International Air Transport Association                                                             |
| IBC       | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ICAO      | International Civil Aviation Organisation                                                           |
| IECSC     | Inventory of Existing Chemical Substances in China                                                  |



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Revision Number 1.01

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|         |                                                                                                         |
|---------|---------------------------------------------------------------------------------------------------------|
| IMDG    | International Maritime Dangerous Goods                                                                  |
| IMO     | International Maritime Organization                                                                     |
| ISO     | International Organisation for Standardisation                                                          |
| KECI    | Korean Existing Chemicals Inventory                                                                     |
| LC50    | Lethal Concentration to 50% of a test population                                                        |
| LD50    | Lethal Dose to 50% of a test population (Median Lethal Dose)                                            |
| MAK     | Maximum Concentration at the Workplace                                                                  |
| MAL     | Measuring Technical Hygienic Air Needs                                                                  |
| MARPOL  | International Convention for the Prevention of Pollution from Ships                                     |
| MDLPS   | Ministry of Labour and Social Policy                                                                    |
| n.o.s.  | Not Otherwise Specified                                                                                 |
| NOAEC   | No Observed Adverse Effect Concentration                                                                |
| NOAEL   | No Observed Adverse Effect Level                                                                        |
| NOELR   | No Observable Effect Loading Rate                                                                       |
| NZIoC   | New Zealand Inventory of Chemicals                                                                      |
| OECD    | Organization for Economic Cooperation and Development                                                   |
| OEL     | Occupational exposure limits                                                                            |
| PBT     | Persistent, Bioaccumulative and Toxic substance                                                         |
| PICCS   | Philippines Inventory of Chemicals and Chemical Substances                                              |
| PMT     | Persistent, Mobile and Toxic                                                                            |
| PPE     | Personal protective equipment                                                                           |
| QSAR    | Quantitative Structure Activity Relationship                                                            |
| REACH   | Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006) |
| RID     | Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)                     |
| SADT    | Self-Accelerating Decomposition Temperature                                                             |
| SAR     | Structure-activity relationship                                                                         |
| SDS     | Safety Data Sheet                                                                                       |
| SL      | Surface Limit                                                                                           |
| STEL    | Short Term Exposure Limit                                                                               |
| STOT RE | Specific target organ toxicity - Repeated exposure                                                      |
| STOT SE | Specific target organ toxicity - Single exposure                                                        |
| SVHC    | Substance of very high concern                                                                          |
| TCSI    | Taiwan Chemical Substance Inventory                                                                     |
| TDG     | Transport of Dangerous Goods (Canada)                                                                   |
| TRGS    | Technical Rule for Hazardous Substances                                                                 |
| TSCA    | Toxic Substances Control Act (United States)                                                            |
| TWA     | Time-Weighted Average                                                                                   |
| UN      | United Nations                                                                                          |
| VOC     | Volatile organic compounds                                                                              |
| vPvB    | Very Persistent and Very Bioaccumulative                                                                |
| vPvM    | Very Persistent and Very Mobile                                                                         |
| As      | Allergenic substance                                                                                    |



# SAFETY DATA SHEET

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Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 30-Jan-2026

Revision Number 1.01

## BA0033 - dSpacer CE-Phosphoramidite

|     |                                                       |
|-----|-------------------------------------------------------|
| C   | Carcinogen                                            |
| DS  | Dermal Sensitizer                                     |
| Ot  | Ototoxicant                                           |
| pOt | Ototoxicant - potential to cause hearing disorders    |
| PS  | Photosensitiser                                       |
| RS  | Respiratory Sensitizer                                |
| S   | Sensitiser                                            |
| poS | Sensitizer - capable of causing occupational asthma   |
| Sa  | Simple asphyxiant                                     |
| Sd  | Skin designation                                      |
| pSd | Skin designation - potential for cutaneous absorption |
| Sdv | Skin designation - vacated                            |
| Sk  | Skin notation                                         |
| dSk | Skin notation - danger of cutaneous absorption        |
| pSk | Skin notation - potential for cutaneous absorption    |

| Classification procedure                                        |                    |
|-----------------------------------------------------------------|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity                                             | Calculation method |
| Acute dermal toxicity                                           | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapour                              | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitisation                                       | Calculation method |
| Skin sensitisation                                              | Calculation method |
| Mutagenicity                                                    | Calculation method |
| Carcinogenicity                                                 | Calculation method |
| Reproductive toxicity                                           | Calculation method |
| STOT - single exposure                                          | Calculation method |
| STOT - repeated exposure                                        | Calculation method |
| Chronic aquatic toxicity                                        | Calculation method |
| Acute aquatic toxicity                                          | Calculation method |
| Aspiration hazard                                               | Calculation method |
| Ozone                                                           | Calculation method |

### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
European Chemicals Agency (ECHA) (ECHA\_API)  
Environmental Protection Agency



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Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

World Health Organization

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**End of Safety Data Sheet**