BIO-39037

dGTP, 100mM
Safety Data Sheet
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product form: Mixture
Product name: dGTP
Cat. no.: BIO-39037

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1. Relevant identified uses
Industrial/Professional use spec: Industrial use, Professional use
Use of the substance/mixture: Laboratory use

1.2.2. Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Bioline Reagents Ltd.
Humber Road
London
NW2 6EW
United Kingdom

T: +44 (0)20 8830 5300
F: +44 (0)20 8452 2822
E-mail: info.uk@bioline.com

1.4. Emergency telephone number
Emergency number: +44 (0)1865 407 333 – English speaking (24 hours, 7 days)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements
No labelling obligation.

2.3. Other hazards
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture
This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

SECTION 4: First aid measures

4.1. Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Remove to fresh air, keep the patient warm and at rest. If symptoms persist, obtain medical attention.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.

First-aid measures after eye contact: Rinse immediately with plenty of water. Ensure that folded skin of eyelids is thoroughly washed with water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Give 100 - 200 ml of water to drink. If symptoms develop, obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after eye contact: May cause slight irritation to eyes.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Not flammable.

5.3. Advice for firefighters
Firefighting instructions: Exercise caution when fighting any chemical fire. Avoid fire-fighting water entering the environment.
Protection during firefighting: As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders
Protective equipment: Wear suitable protective clothing and gloves.
Emergency procedures: Avoid contact with eyes, skin and clothing.

6.2. Environmental precautions
Notify authorities if large amounts of the product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Absorb with non-combustible material (sand or similar) and transfer to containers for later disposal.

6.4. Reference to other sections
SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Provide adequate ventilation. Avoid contact with skin, eyes and clothing.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.
Incompatible materials: Strong oxidizing agents.
Storage temperature: -20 °C

7.3. Specific end use(s)
Laboratory use.
dGTP  
Safety Data Sheet  
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  

SECTION 8: Exposure controls/personal protection  

8.1. Control parameters  
No additional information available  

8.2. Exposure controls  

Appropriate engineering controls:  
Provide adequate ventilation.  

Personal protective equipment:  
Avoid all unnecessary exposure.  

Hand protection:  
Wear protective gloves. Standard EN 374 - Protective gloves against chemicals. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.  

Eye protection:  
Wear safety glasses with side shields. Standard EN 166 - Personal eye-protection  

Skin and body protection:  
Long sleeved protective clothing  

Respiratory protection:  
Not required for normal conditions of use  

Thermal hazard protection:  
Not required for normal conditions of use.  

Other information:  
Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures.  

SECTION 9: Physical and chemical properties  

9.1. Information on basic physical and chemical properties  

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Clear. Colourless.</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>8.5 ± 0.3 (4°C)</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>≈ 1 (Water = 1)</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: Miscible</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information  
No additional information available
SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
Extremely high or low temperatures.

10.5. Incompatible materials
Strong oxidizing agents.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects
- Acute toxicity: Not classified
- Additional information: Based on available data, the classification criteria are not met
- Skin corrosion/irritation: Not classified
  - pH: 8.5 ± 0.3 (4°C)
- Additional information: Based on available data, the classification criteria are not met
- Serious eye damage/irritation: Not classified
  - pH: 8.5 ± 0.3 (4°C)
- Additional information: Based on available data, the classification criteria are not met
- Respiratory or skin sensitisation: Not classified
- Additional information: Based on available data, the classification criteria are not met
- Germ cell mutagenicity: Not classified
  - Based on available data, the classification criteria are not met
- Carcinogenicity: Not classified
- Additional information: Based on available data, the classification criteria are not met
- Reproductive toxicity: Not classified
- Additional information: Based on available data, the classification criteria are not met
- Specific target organ toxicity (single exposure): Not classified
- Additional information: Based on available data, the classification criteria are not met
- Specific target organ toxicity (repeated exposure): Not classified
- Additional information: Based on available data, the classification criteria are not met
- Aspiration hazard: Not classified
- Additional information: Based on available data, the classification criteria are not met
- Potential adverse human health effects and symptoms: Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - water: Not classified.

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
- dGTP: Miscible with water.
dGTP
Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

12.5. Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>dGTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII</td>
</tr>
<tr>
<td>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII</td>
</tr>
</tbody>
</table>

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

| UN-No. (ADR) | Not regulated |
| UN-No. (IMDG) | Not regulated |
| UN-No. (IATA) | Not regulated |
| UN-No. (ADN) | Not regulated |
| UN-No. (RID) | Not regulated |

14.2. UN proper shipping name

| Proper Shipping Name | Not regulated |
| Proper Shipping Name (IMDG) | Not regulated |
| Proper Shipping Name (IATA) | Not regulated |
| Proper Shipping Name (ADN) | Not regulated |
| Proper Shipping Name (RID) | Not regulated |

14.3. Transport hazard class(es)

| ADR |
| Transport hazard class(es) (ADR) | Not regulated |
| IMDG |
| Transport hazard class(es) (IMDG) | Not regulated |
| IATA |
| Transport hazard class(es) (IATA) | Not regulated |
| ADN |
| Transport hazard class(es) (ADN) | Not regulated |
| RID |
| Transport hazard class(es) (RID) | Not regulated |

14.4. Packing group

| Packing group | Not regulated |
| Packing group (IMDG) | Not regulated |
| Packing group (IATA) | Not regulated |
| Packing group (ADN) | Not regulated |
| Packing group (RID) | Not regulated |

14.5. Environmental hazards

| Dangerous for the environment | No |
| Marine pollutant | No |
| Other information | No supplementary information available |

14.6. Special precautions for user

- Overland transport
  Not regulated
Transport by sea
Not regulated

Air transport
Not regulated

Inland waterway transport
Not regulated

Rail transport
Not regulated

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations
No additional information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

<table>
<thead>
<tr>
<th>1.1</th>
<th>Cat. no.</th>
<th>Modified</th>
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</thead>
</table>

Abbreviations and acronyms:

| ADR | ATE | CAS | CLP | DNEL | EC | EC50 | EN | IARC | IATA | IBC | IMDG | IMO | LC50 | LD50 | MAC | O/W | OECD | PBT | PMcc | PMNC | PNEC | REACH | RID | STEL | TWA | UNxxx | vPvB |
|-----|-----|-----|-----|------|----|------|----|------|------|-----|------|-----|------|------|-----|-----|-----|------|------|------|------|------|------|------|
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Other information : None.

NCEC SDS EU BlackandWhite
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.