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

1.1. Product identifier
Cyclo(-Arg-Gly-Asp-D-Phe-Glu) trifluoroacetate salt
CAS No: 756500-22-8

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture
Laboratory chemicals

1.3. Details of the supplier of the safety data sheet
Company name: Bachem (UK) Ltd.
Delph Court
Sullivans Way, St. Helens
GB Merseyside WA9 5GL
Telephone: +44 1744 61 2108
Telefax: +44 1744 73 0064
E-mail (Contact person): msds@bachem.com
Responsible Department: Global Marketing

1.4. Emergency telephone number:
+41 44 251 51 51 (Tox Info Suisse)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Regulation (EC) No. 1272/2008
This substance is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements
Hazard components for labelling
-

SECTION 3: Composition/information on ingredients

3.1. Substances
Sum formula: C26H36N8O9
Molecular weight: 604.62

SECTION 4: First aid measures

4.1. Description of first aid measures
General information
Change contaminated, saturated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

After contact with skin
Rinse cautiously with water for several minutes. If medical advice is needed, have product container or label at hand.

After contact with eyes
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion
IF SWALLOWED: rinse mouth. Never give anything by mouth to an unconscious person or a person with cramps. Get medical advice/attention if you feel unwell.
4.2. Most important symptoms and effects, both acute and delayed
No information available.

4.3. Indication of any immediate medical attention and special treatment needed
No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Dry extinguishing powder

Unsuitable extinguishing media
No information available.

5.2. Special hazards arising from the substance or mixture
Carbon monoxide Carbon dioxide (CO2) Nitrogen oxides (NOx)

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Use personal protection equipment. Avoid contact with skin, eyes and clothes. Do not breathe dust/fume/gas/mist/vapours/spray. Remove persons to safety.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

6.3. Methods and material for containment and cleaning up

Collect spillage. Avoid dust formation.

6.4. Reference to other sections

Safe handling: see section 7
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling
Provide adequate ventilation. Use personal protection equipment. Avoid contact with skin, eyes and clothes. Do not breathe dust/fume/gas/mist/vapours/spray. Keep container tightly closed and dry.

Advice on protection against fire and explosion
Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Further information on handling
No information available.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep only in the original container in a cool, well-ventilated place. Keep/Store only in original container.

Advice on storage compatibility
Do not store together with:
Food and feedingstuffs

Further information on storage conditions
Protect against:
Frost
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values
To date, no national critical limit values exist.

8.2. Exposure controls

Appropriate engineering controls
Provide adequate ventilation as well as local exhaustion at critical locations.

Protective and hygiene measures
Work in well-ventilated zones or use proper respiratory protection. Only wear fitting, comfortable and clean protective clothing. Avoid contact with skin, eyes and clothes. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink or smoke.

Eye/face protection
Suitable eye protection:
- Eye glasses with side protection
- Goggles

Hand protection
Wear protective gloves.
Suitable material: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection
Protective clothing

Respiratory protection
If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn:
- Self-contained respirator (breathing apparatus) (DIN EN 133)
- Combination filtering device (EN 14387)

Environmental exposure controls
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour:</td>
<td>white</td>
</tr>
<tr>
<td>Odour:</td>
<td>This information is not available</td>
</tr>
</tbody>
</table>

| pH-Value:       | No data available |

<table>
<thead>
<tr>
<th>Changes in the physical state</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point:</td>
</tr>
<tr>
<td>Initial boiling point and boiling range:</td>
</tr>
<tr>
<td>Sublimation point:</td>
</tr>
<tr>
<td>Softening point:</td>
</tr>
<tr>
<td>Flash point:</td>
</tr>
<tr>
<td>Sustaining combustion:</td>
</tr>
</tbody>
</table>
**Explosive properties**

No data available

**Lower explosion limits:** No data available

**Upper explosion limits:** No data available

**Ignition temperature:** No data available

**Decomposition temperature:** No data available

**Oxidizing properties**

No data available

**Vapour pressure:** No data available

**Density:** No data available

**Bulk density:** No data available

**Water solubility:** 1 g/L

(at 25 °C)

**Partition coefficient:** No data available

**Viscosity / dynamic:** No data available

**Viscosity / kinematic:** No data available

**Vapour density:** No data available

**Evaporation rate:** No data available

**Solvent content:** No data available

**9.2. Other information**

No data available

**SECTION 10: Stability and reactivity**

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

Further information

No data available

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

**Acute toxicity**

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

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.
Sensitising effects
   Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction
   Based on available data, the classification criteria are not met.

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.

SECTION 12: Ecological information

12.1. Toxicity
   The product has not been tested.

12.2. Persistence and degradability
   The product has not been tested.

12.3. Bioaccumulative potential
   The product has not been tested.

12.4. Mobility in soil
   The product has not been tested.

12.5. Results of PBT and vPvB assessment
   The product has not been tested.

12.6. Other adverse effects
   No information available.

Further information
   Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

   Advice on disposal
   Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

   Contaminated packaging
   Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)
14.1. UN number:
   No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:
   No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):
   No dangerous good in sense of this transport regulation.

14.4. Packing group:
   No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)
14.1. UN number:
   No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:
   No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):
   No dangerous good in sense of this transport regulation.

14.4. Packing group:
   No dangerous good in sense of this transport regulation.

Marine transport (IMDG)
### Safety Data Sheet

according to Regulation (EC) No 1907/2006

**Revision date:** 03.09.2018  
**Product code:** 4086218  
**Page:** 6 of 6

<table>
<thead>
<tr>
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**Air transport (ICAO-TI/IATA-DGR)**

<table>
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</tbody>
</table>

**Environmental hazards**

| ENVIRONMENTALLY HAZARDOUS: | no |

**Special precautions for user**

No dangerous good in sense of this transport regulation.

**Transport in bulk according to Annex II of Marpol and the IBC Code**

No dangerous good in sense of this transport regulation.

### SECTION 15: Regulatory information

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

National regulatory information

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

### Abbreviations and acronyms

- **ADR:** Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- **RID:** Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- **IMDG:** International Maritime Code for Dangerous Goods
- **IATA:** International Air Transport Association
- **IATA-DGR:** Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
- **ICAO:** International Civil Aviation Organization
- **ICAO-TI:** Technical Instructions by the "International Civil Aviation Organization" (ICAO)
- **CAS:** Chemical Abstracts Service (division of the American Chemical Society)
- **GHS:** Globally Harmonized System of Classification and Labelling of Chemicals
- **CLP:** Regulation on Classification, Labelling and Packaging of Substances and Mixtures
- **LC50:** Lethal concentration, 50 percent
- **LD50:** Lethal dose, 50 percent
- **EC50:** Effective concentration, 50 percent
- **DNEL:** Derived No Effect Level
- **PNEC:** Predicted No Effect Concentration
- **PBT:** Persistent, Bioaccumulative and Toxic
- **vPvB:** very Persistent and very Bioaccumulative

**Further Information**

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.