MyTaq One-Step RT-PCR Kit
Safety Data Sheet
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form: Mixture
Product name: MyTaq™ One-Step Mix
Cat. no.: BIO-65048, BIO-65049

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: +49 (0) 7611 9240 (Germany)

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>(CAS No) 56-81-5</td>
<td>3 - 5</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16
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.

Hazardous decomposition products in case of fire: Carbon monoxide. Carbon dioxide. Sulphur oxides.

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.


9/20/2016 EN (English) 2/7
7.3. Specific end use(s)
Laboratory use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Glycerol (56-81-5)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>Local name</td>
<td>Glycerol</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (mg/m³)</td>
<td>10 mg/m³ mist</td>
</tr>
</tbody>
</table>

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>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>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>No data available</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>
</tbody>
</table>
Oxidising properties : No data available
Explosive limits : No data available

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

10.6. Hazardous decomposition products
Carbon monoxide. Carbon dioxide. Sulphur oxides.

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

Glycerol (56-81-5)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>27200 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal</td>
<td>56750 mg/kg (Guinea pig)</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 2.75 mg/l/4h</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified

Additional information : Based on available data, the classification criteria are not met

Serious eye damage/irritation : Not classified

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

Additional information : 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.

Glycerol (56-81-5)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish</td>
<td>54000 mg/l 96 Hours (Salmo gairdneri)</td>
</tr>
</tbody>
</table>
12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>MyTaq™ One-Step Mix</th>
<th>Miscible with soil.</th>
</tr>
</thead>
</table>

12.5. Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>MyTaq™ One-Step Mix</th>
<th>This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<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 ≥ 0,1 % / SCL
- 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

Abbreviations and acronyms:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>Accord européen relatif au transport international des marchandises Dangereuses par Route</td>
</tr>
<tr>
<td>ATE</td>
<td>Acute Toxicity Estimate</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service number</td>
</tr>
<tr>
<td>CLP</td>
<td>Classification, Labeling and Packaging</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived No effect Limit</td>
</tr>
<tr>
<td>EC</td>
<td>European Community</td>
</tr>
<tr>
<td>EC50</td>
<td>Effective Concentration 50%</td>
</tr>
<tr>
<td>EN</td>
<td>European Norm</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IBC</td>
<td>Intermediate Bulk Container</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Dangerous Goods Code</td>
</tr>
<tr>
<td>IMO</td>
<td>International Maritime Organisation</td>
</tr>
<tr>
<td>LC50</td>
<td>Lethal Concentration 50%</td>
</tr>
<tr>
<td>LD50</td>
<td>Lethal Dose 50%</td>
</tr>
<tr>
<td>MAC</td>
<td>Maximal Allowed Concentration</td>
</tr>
<tr>
<td>O/W</td>
<td>Oil-in-Water (chemistry)</td>
</tr>
<tr>
<td>OECD</td>
<td>Organisation for Economic Co-operation and Development</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, bioaccumulative and toxic</td>
</tr>
<tr>
<td>PMcc</td>
<td>Pensky-Martens Closed Cup test</td>
</tr>
<tr>
<td>PNEC</td>
<td>predicted no effect concentration</td>
</tr>
</tbody>
</table>
## MyTaq™ One-Step Mix

### Safety Data Sheet

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

<table>
<thead>
<tr>
<th>REACH (Registration, Evaluation and Authorisation of Chemicals)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RID (Règlement concernant le transport international ferroviaire de marchandises)</td>
</tr>
<tr>
<td>STEL (Short Term Exposure Limit)</td>
</tr>
<tr>
<td>TWA (Time Weighted Average)</td>
</tr>
<tr>
<td>UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)</td>
</tr>
<tr>
<td>vPvB (very persistent and very bioaccumulative)</td>
</tr>
</tbody>
</table>

**Data sources**


**Other information**

None.

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

1.1. Product identifier
Product form: Mixture
Product name: Tetro Reverse Transcriptase
Cat. no.: BIO-65050, BIO-65051

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: +49 (0) 7611 9240 (Germany)

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>(CAS No) 56-81-5</td>
<td>50 - 80</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16
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.

Hazardous decomposition products in case of fire: Carbon monoxide. Carbon dioxide.

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.
7.3. Specific end use(s) 
Laboratory use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Glycerol (56-81-5) | United Kingdom | Local name | Glycerol | United Kingdom | WEL TWA (mg/m³) | 10 mg/m³ mist |

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

Physical state: Liquid
Colour: Colourless
Odour: No data available
Odour threshold: No data available
pH: 7.4 (20°C)
Relative evaporation rate (butylacetate=1): No data available
Melting point: No data available
Freezing point: No data available
Boiling point: No data available
Flash point: > 100 °C
Auto-ignition temperature: 400 °C
Decomposition temperature: No data available
Flammability (solid, gas): Not applicable
Vapour pressure: 0.1 hPa
Relative vapour density at 20 °C: No data available
Relative density: ≈ 1 (Water = 1)
Solubility: Water: Miscible
Log Pow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: Not explosive.
Oxidising properties: No data available
Explosive limits: $\geq 0.9$ vol %

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
Carbon monoxide. Carbon dioxide.

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

<table>
<thead>
<tr>
<th>Glycerol (56-81-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified
pH: 7.4 (20°C)

Additional information: Based on available data, the classification criteria are not met

Serious eye damage/irritation: Not classified
pH: 7.4 (20°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.
Tetro Reverse Transcriptase
Safety Data Sheet

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

<table>
<thead>
<tr>
<th>Glycerol (56-81-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil

| Tetro Reverse Transcriptase |
| Ecology - soil | Miscible with water. |

12.5. Results of PBT and vPvB assessment

| Tetro Reverse Transcriptase |
| 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 |

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 |
Tetro Reverse Transcriptase
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Packing group (ADN): Not regulated
Packing group (RID): Not regulated

### 14.5. Environmental hazards

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous for the environment</td>
<td>No</td>
</tr>
<tr>
<td>Marine pollutant</td>
<td>No</td>
</tr>
<tr>
<td>Other information</td>
<td>No supplementary information available</td>
</tr>
</tbody>
</table>

### 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

**Abbreviations and acronyms:**

- ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route)
- ATE (Acute Toxicity Estimate)
- CAS (Chemical Abstracts Service) number
- CLP (Classification, Labeling and Packaging)
- DNEL (Derived No effect Limit)
- EC (European Community)
- EC50 (Effective Concentration 50%)
- EN (European Norm)
- IARC (International Agency for Research on Cancer)
- IATA (International Air Transport Association)
- IBC (Intermediate Bulk Container)
- IMDG (International Maritime Dangerous Goods Code)
- IMO (International Maritime Organisation)
- LC50 (Lethal Concentration 50%)
- LD50 (Lethal Dose 50%)
- MAC (Maximal Allowed Concentration)
- O/W (Oil-in-Water (chemistry))
- OECD (Organisation for Economic Co-operation and Development)
- PBT (Persistent, bioaccumulative and toxic)
Tetro Reverse Transcriptase
Safety Data Sheet

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

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMcc</td>
<td>Pensky-Martens Closed Cup test</td>
</tr>
<tr>
<td>PNEC</td>
<td>predicted no effect concentration</td>
</tr>
<tr>
<td>REACH</td>
<td>Registration, Evaluation and Authorisation of CHemicals</td>
</tr>
<tr>
<td>RID</td>
<td>Règlement concernant le transport international ferroviaire de marchandises</td>
</tr>
<tr>
<td>STEL</td>
<td>Short Term Exposure Limit</td>
</tr>
<tr>
<td>TWA</td>
<td>Time Weighted Average</td>
</tr>
<tr>
<td>UNxxxx</td>
<td>Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods</td>
</tr>
<tr>
<td>vPvB</td>
<td>very persistent and very bioaccumulative</td>
</tr>
</tbody>
</table>

Data sources:

Other information:
None.

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

1.1. Product identifier

- **Product form**: Mixture
- **Product name**: RiboSafe RNase Inhibitor
- **Cat. no.**: BIO-72001, BIO-72005, BIO-73001, BIO-73005, BIO-74001, BIO-74005, BIO-75001, BIO-75005, BIO-76001, BIO-76005, BIO-77001, BIO-77005, BIO-78001, BIO-78005

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**: +49 (0) 7611 9240 (Germany)

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.

Hazardous decomposition products in case of fire: None known.

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 earth, sand or other non-combustible material 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: None known.

7.3. Specific end use(s)

Laboratory use.

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>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>No data available</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
None known.

10.6. Hazardous decomposition products
None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional information</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional information</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Serious eye damage/irritiation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional information</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional information</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Additional information</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional information</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional information</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional information</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional information</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Potential adverse human health effects and symptoms</td>
<td>Not expected to present a significant hazard under anticipated conditions of normal use.</td>
</tr>
</tbody>
</table>

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
RiboSafe RNase Inhibitor
Ecology - soil : Miscible with water.

12.5. Results of PBT and vPvB assessment
RiboSafe RNase Inhibitor
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
**RiboSafe RNase Inhibitor**

**Safety Data Sheet**

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

---

**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

Abbreviations and acronyms:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td>Accord européen relatif au transport international des marchandises Dangereuses par Route</td>
</tr>
<tr>
<td>ATE</td>
<td>Acute Toxicity Estimate</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service number</td>
</tr>
<tr>
<td>CLP</td>
<td>Classification, Labeling and Packaging</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived No effect Limit</td>
</tr>
<tr>
<td>EC</td>
<td>European Community</td>
</tr>
<tr>
<td>EC50</td>
<td>Effective Concentration 50%</td>
</tr>
<tr>
<td>EN</td>
<td>European Norm</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IBC</td>
<td>Intermediate Bulk Container</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Dangerous Goods Code</td>
</tr>
<tr>
<td>IMO</td>
<td>International Maritime Organisation</td>
</tr>
<tr>
<td>LC50</td>
<td>Lethal Concentration 50%</td>
</tr>
<tr>
<td>LD50</td>
<td>Lethal Dose 50%</td>
</tr>
<tr>
<td>MAC</td>
<td>Maximal Allowed Concentration</td>
</tr>
<tr>
<td>OIW</td>
<td>Oil-in-Water (chemistry)</td>
</tr>
<tr>
<td>OECD</td>
<td>Organisation for Economic Co-operation and Development</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, bioaccumulative and toxic</td>
</tr>
<tr>
<td>PMcc</td>
<td>Pensky-Martens Closed Cup test</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted no effect concentration</td>
</tr>
<tr>
<td>REACH</td>
<td>Registration, Evaluation and Authorisation of Chemicals</td>
</tr>
<tr>
<td>RID</td>
<td>Règlement concernant le transport international ferroviaire de marchandises</td>
</tr>
<tr>
<td>STEL</td>
<td>Short Term Exposure Limit</td>
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<td>TWA</td>
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</tr>
<tr>
<td>UNxxxx</td>
<td>Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods</td>
</tr>
<tr>
<td>vPvB</td>
<td>very persistent and very bioaccumulative</td>
</tr>
</tbody>
</table>


Other information: None.
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.
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product or Su stance</th>
<th>Su stance na me</th>
<th>EC No</th>
<th>CAS No</th>
<th>Cat no</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPC 2</td>
<td>2.1 91 2</td>
<td></td>
<td>2.18 5</td>
<td>BI 65042, BI 6504, BI 65048, BI 65049, BI 2001, BI 2005, BI 001, BI 005, BI 4001, BI 4005, BI 5001, BI 5005, BI 6001, BI 6005, BI 001, BI 8001, BI 8005, CSA 01201</td>
</tr>
</tbody>
</table>

EAC authorisation e tions: E ted ro EAC registration

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

1.2.1. Relevant identified uses

Industrial Professional use s ec: Industrial use Professional use Sec o the su stance i ture: a oratory use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Bioline (Aust) Pty ltd
Suite 111, National Innovation Centre Building
Australian Technology Park, Eveleigh, NSW 2015 Australia

Phone: +61 (0)2 9209 4180
a: +61 (0)2 9209 4 6
E mail: tech ioline co

1.4. Emergency telephone number

Emergency number: +61 2 8014 4558 (Australia) (24 hours, days)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classi ed

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

No labelling obligation

2.3. Other hazards

This su stance i ture does not meet the PBT criteria EAC regulation, an III
This su stance i ture does not meet the vPvB criteria EAC regulation, an III

SECTION 3: Composition/information on ingredients

3.1. Substance

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPC 2</td>
<td>(CAS No) 2.18 5 (EC No) 2.1 91 2</td>
<td>100</td>
</tr>
</tbody>
</table>

ull te to hrases: see section 16
DEPC-H2O
Safety Data Sheet

according to regulation (EC) No 1907/2006 (EAC) of its amendment regulation (EC) 852/2006 (en) 2015/80

3.2. Mixture
Not alica

SECTION 4: First aid measures

4.1. Description of first aid measures
Inst aid measures general: Not expected to resent a signi cant ha ard under antici ated conditions o nor al use

4.2. Most important symptoms and effects, both acute and delayed
Sy tin uries: Not expected to resent a signi cant ha ard under antici ated conditions o nor al use

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

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suita le e tinguishing edia: se e tinguishing edia a ro iate or surrounding ire
nsuita le e tinguishing edia: None kno n

5.2. Special hazards arising from the substance or mixture
ire ha ard: Not le a le
a ards decom osition roducts in case o ire: None

5.3. Advice for ﬁreﬁghters
ire light instructions: ight ire ith nor al ecations ro a reasona le distance
Protection during ire lighting: As in any ire, ear sel contained reathing aratus and ull roective gear

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
E ergy rocedures: Not alica

6.1.2. For emergency responders
Protective e ui ent: Not nor ally re uired
E ergy rocedures: Not alica

6.2. Environmental precautions
Not nor ally re uired

6.3. Methods and material for containment and cleaning up
Methods or cleaning u: A sor ith earth, sand or other non co ulterial and trans or to containers or later dis osal

6.4. Reference to other sections
SECTI N 8: E osure controls ersonal rotection SECTI N 1: osal considerations

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions or sa e handling ygiene easures: No s eial re uire ents
: andle in accordance ith good industrial hygiene and sa ety ractice. Wash hands and other e osed areas ith lid soa and ater e ore eating, drinking or s oking and hen leaving ork.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: ee only in the original container in a cool ill ventilated lace ee container closed hen not in use
Inco ate a terial: Water reactive a terials

7.3. Specific end use(s)
a oratory use

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No additional in or ation a vala le
8.2. Exposure controls

Appropriate engineering controls:
Not required or normal conditions of use

Personal protective equipment:
Not required or normal conditions of use

Hand protection:
Not required or normal conditions of use

Eye protection:
Not required or normal conditions of use

Skin and body protection:
Not required or normal conditions of use

Respiratory protection:
Not required or normal conditions of use

Thermal hazard protection:
Not required or normal conditions of use

Other information:
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

Physical state: Liquid
Colour: Colourless
dour: dourless
dour threshold: No data available
Relative evaporation rate (butylacetate 1): No data available
Melting point: No data available
Boiling point: ≈ 100 °C
Flash point: Not alica
Auto ignition temperature: Not alica
Erosion temperature: Not alica
La aility (solid, gas): Not alica
Pressure: No data available
Relative density at 20 °C: No data available
Relative density: ≈ 1 (Water = 1)
Solubility: Water: Miscible
og Po: No data available
iscosity, kineatic: No data available
iscosity, dynamic: No data available
E losive ro erties: Not e losive
idising ro erties: Not o idising
E losive li its: No data available

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

None known

### 10.5. Incompatible materials

Water reactive materials

### 10.6. Hazardous decomposition products

None

### SECTION 11: Toxicological information

<table>
<thead>
<tr>
<th>Effect Description</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional action</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Skin corrosion</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional action</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Serious eye damage</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional action</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Irritancy or skin sensitisation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional action</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional action</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional action</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>EC 1118 target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional action</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>EC 1119 target organ toxicity (repeated exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional action</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
<tr>
<td>Additional action</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
</tbody>
</table>

Potential adverse human health effects and symptoms: Not expected to be significant hazards under anticipated conditions of normal use.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology after: Not classified

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Property</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEPC-H2O (7732-18-5)</td>
<td></td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td>Not achievable</td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Property</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEPC-H2O (7732-18-5)</td>
<td></td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Not achievable</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Property</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEPC-H2O (7732-18-5)</td>
<td></td>
</tr>
<tr>
<td>Mobility in soil</td>
<td>Miscellaneous with some alteration</td>
</tr>
</tbody>
</table>

#### 12.5. Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>Property</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEPC-H2O (7732-18-5)</td>
<td></td>
</tr>
<tr>
<td>This substance does not meet the PBT criteria</td>
<td>EAC regulation, annex III</td>
</tr>
<tr>
<td>This substance does not meet the vPvB criteria</td>
<td>EAC regulation, annex III</td>
</tr>
</tbody>
</table>
12.6. Other adverse effects

Other adverse effects: None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations: Use in a safe manner in accordance with local national regulations.

SECTION 14: Transport information

14.1. UN number

- N No (A): Not regulated
- N No (IM): Not regulated
- N No (IATA): Not regulated
- N No (A N): Not regulated
- N No (I): Not regulated

14.2. UN proper shipping name

- Proper shipping name: Not regulated
  - Proper shipping name (IM): Not regulated
  - Proper shipping name (IATA): Not regulated
  - Proper shipping name (A N): Not regulated
  - Proper shipping name (I): Not regulated

14.3. Transport hazard class(es)

- ADR: Not regulated
- IMDG: Not regulated
- IATA: Not regulated
- ADN: Not regulated
- RID: Not regulated

14.4. Packing group

- Packing group: Not regulated
  - Packing group (IM): Not regulated
  - Packing group (IATA): Not regulated
  - Packing group (A N): Not regulated
  - Packing group (I): Not regulated

14.5. Environmental hazards

- Dangerous or the environment: No
- Marine pollutant: No
  - Marine pollutant: No
  - Marine pollutant: No

14.6. Special precautions for user

- Overland transport
  Not regulated
- Transport by sea
  Not regulated
- Air transport
  Not regulated
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- 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
No EAC Annex II restrictions
EPC 2 is not on the EAC Candidate list
EPC 2 is not on the EAC Annex I list

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</th>
<th>Product identifier</th>
<th>Modified</th>
</tr>
</thead>
</table>

Abbreviations and acronyms:

- A (Accord européen relatif au transfert international des marchandises dangereuses au titre des transports internationaux de marchandises dangereuses)
- ATE (Acute Toxicity Test)
- CAS (Chemical Abstracts Service) number
- C P (Classification, a eling and Packaging)
- NE (derived No e eect i it)
- EC (European Co unity)
- EC50 (Effective Concentration 50)
- EN (European Norm)
- IA C (International Agency or esearch on Cancer)
- IATA (International Air Transport Association)
- IBC (Intermediate Bulk Container)
- IM (International Maritime Dangerous Goods Code)
- IM (International Maritime Organisation)
- C50 (Ethical Concentration 50)
- 50 (Ethical dose 50)
- MAC (Maximum Allowable Concentration)
- W (il in Water (chemical))
- EC (organisation or Economic Co operation and Development)
- PBT (Persistent, Bioaccumulative and Toxic)
- PMcc (Pensky-Martens Closed Cup Test)
- PNEC (Predicted No E ect Concentration)
- EAC (Registration, Evaluation and Authorisation of Chemicals)
- I (gle eent concernant le transfert international et transport international des marchandises)
- STE (Short Term Exposure Limit)
- TWA (Time Weighted Average)
- N (Number assigned by the United Nations Committee on the Transport of Dangerous Goods)

other sources

ata sources : E AT1 N (EC) No 12 2 2008 T E PEAN PA IAMENT AN T E C NCI o 16 ece er 2008 on classification, a eling and packaging of su stances and tures, a ending and re ealing iectives 6 548 EEC and 1999 45 EC, and a ending egulation (EC) No 190 2006

ther in or ation : None

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DEPC-H2O Safety data Sheet

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.