

MSDS

Material Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
Classification according to Regulation (EC) No. 1272/2008 [CLP]

1. Product and Company Identification

| | |
|------------------------|--|
| Product Name | Tris-Acetate-EDTA Buffer Powder, 1x TAE Buffer Powder |
| Product References | TBB0622 TBB0623 |
| Brand | TIARIS BIOSCIENCES |
| Manufacturer/ Supplier | Tiaris Biosciences SL Parque Tecnológico Rabanales 21, Edificio Aldebarán, Calle Astrónoma Cecilia Payne s/n. 14014. Córdoba, España Phone: +34 681 867 714 mailto: info@tiarisbiosciences.com web: www.tiarisbiosciences.com |
| Emergency Telephone | 900-868538 (CHEMTREC Spain) +34 931 768 545 (CHEMTREC International) |

2. Hazards Identification

2.1. Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.2 Label elements Labelling according to Regulation (EC) No 1272/2008

- Pictogram none
- Signal word none
- Hazard statement(s) none
- Precautionary statement(s) none
- Supplemental Hazard none
- Statements

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. Composition / Information on Components

3.1 Substances:

Not applicable. This product is a mixture.

3.2 Mixtures

| Component | CAS Number | EC Number | Weight (%) | Classification according to Regulation (EC) No.1272/2008 [CLP] |
|---|------------|-----------|------------|--|
| 2-[2- [bis(carboxymethyl)amino]ethyl-(carboxymethyl) amino] acetic acid | 6381-92-6 | 205-358-3 | 3-5% | Acute Tox. 4, H302, H312, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 |

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4. First-Aid Measures

The principal hazards from TAE Buffer concentrate 10x are skin and eye contact.

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| Inhalation | In case of discomfort, bring the person into fresh air. |
| Skin Contact | Upon irritation, rinse skin with water/ shower. |
| Eye Contact | Remove contact lenses. Flush with plenty of water. |
| Ingestion | Rinse out mouth with water, then drink plenty of water. Do not induce vomiting. Seek medical help immediately. |
| Notes to Physician | Not information available. Treat symptomatically. |

5. Fire Fighting Measures

Extinguish Media

| | |
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| Suitable Extinguish Media | Use water spray, alcohol resistant foam, dry chemical or carbon dioxide. |
| Unsuitable Extinguish Media | No information available. |
| Special hazards during fire fighting | Thermal decomposition can lead to the release of irritating gases and vapours. |
| Advice for firefighters | In the event of fire, wear self-contained breathing apparatus. Ambient fire may liberate hazardous vapours and irritating gases. |

6. Accidental Release Measures

| | |
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| Personal Precautions, protective equipment and emergency procedures | Ensure adequate ventilation. Use personal protection equipment. |
| Environmental Precautions | Do not let product enter drains. |
| Methods and Material for Containment and Cleaning up | Soak up the spills with inert absorbent material. Wash away any residue with plenty of water. |

7. Handling and Storage

| | |
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| Advice on protection against fire and explosion | Normal measures for preventive fire protection. |
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| Precautions for Safe Handling | Ensure good ventilation. Wash thoroughly after handling. Wash hands before eating. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. |
| Conditions for Safe Storage, Including Any Incompatibilities | Tightly closed. Dry. |
| Specific End Use(s) | For research use only |

8. Exposure Control/ Personal Protection

Contains no substances with occupational exposure limit values.

Personal Protective Equipment:

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use.

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection

Required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P2

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9. Physical and Chemical Properties

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|-----------------------------------|-------------------|
| Appearance: | Powder |
| Colour: | White |
| Odour: | No data available |
| pH (Value): | No data available |
| Boiling Point: | No data available |
| Melting Point: | No data available |
| Flash Point: | Not applicable |
| Flammable Limits: | Not applicable |
| Auto Ignition Temperature: | No data |
| Explosive Properties: | No data |
| Oxidising Properties: | None |
| Vapour Pressure (mm Hg): | No data |
| Density (g/ml): | No data available |
| Solubility (Water): | Soluble |
| Solubility (Other): | No data available |
| Partition Coefficient: | No data available |

10. Stability and Reactivity

| | |
|--|---|
| Possibility of Hazardous Reaction: | No data available |
| Chemical Stability: | The product is chemically stable under standard ambient conditions (room temperature) |
| Hazardous Decomposition Product(s): | The product is not degraded when used as specified in section 1. |
| Conditions to avoid: | Heat, flames and sparks. |
| Incompatible Materials: | Strong oxidizing agents. |

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11. Toxicology Information

Acute toxicity: Non acute toxicity information is available for this mixture.

Acute oral toxicity: none known.

Acute inhalation toxicity: none known.

Acute dermal toxicity: none known

Skin corrosion/irritation: No data available.

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: no data available.

Germ cell mutagenicity: no data available.

Carcinogenicity: no data available.

Reproductive toxicity: No data available

Specific target organ toxicity – single exposure (GHS): no data available.

Specific target organ toxicity – repeated exposure (GHS): no data available.

Aspiration hazard: no data available.

Additional Information:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

12. Ecological Information

| | |
|---------------------------------------|--|
| Toxicity: | No data available. |
| Persistence and Degradability: | No data available. |
| Bioaccumulative Potential | No data available. |
| Mobility in Soil: | No data available. |
| PBT and vPvB Assesment | This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. |
| Other Adverse Effect: | None known. |

13. Disposal Considerations

Waste treatment methods:

None of the components are listed

Contaminated packaging:

Packaging containing residues of the product must be disposed of similarly to the product.

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14. Transport Information

| | |
|---|-----------------|
| IATA / ADR / DOT-US / IMDG: | Not Applicable. |
| UN number or ID number: | Not Applicable. |
| UN Proper Shipping Name: | Not Applicable. |
| Transport Hazard Class(es): | Not Applicable. |
| Packing Group: | Not Applicable. |
| Special Precautions for User: | Not Applicable. |
| Maritime Transport in Bulk according to IMO Instruments: | Not Applicable. |

15. Regulatory Information

| | |
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| Safety, health and environmental regulations/legislation specific for the substance or mixture | None |
| Chemical Safety Assessment | None |
| Other International Inventories | |
| | Website |
| EINECS (European Union) | https://echa.europa.eu Not listed |
| TSCA (United States) | https://www.epa.gov/ Not listed |
| PICCS (Phippines) | https://emb.gov.ph/ Not listed |
| KECL (South Korea) | http://ncis.nier.go.kr Not listed |
| NZIoC (New Zealand) | https://www.epa.govt.nz/ Not listed |
| China | https://www.mem.gov.cn/ Not listed |
| | https://www.mee.gov.cn/ Not listed |

16. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. *Tiaris Biosciences* shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.