

SAFETY DATA SHEET

SECTION 1: Identification of the product and of the company

1.1 Product identifiers

Product name	TAE Buffer, 50X
Brand	BioPioneer
CAT No.	BPBOI0010
Identified uses	A reagent used for analytical purposes.

1.2 Details of the supplier of the safety data sheet

Company	BioPioneer Pvt Ltd KIIT-TBI, Campus 11 Patia, Bhubaneswar Khorda -751024 INDIA www.biopioneer.in
Contact Us	info@biopioneer.in Phone +917991084428


SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 Label elements

Labelling According to Regulation (EC) No 1272/2008

Pictogram: 
Signal Word: Warning
Millipore Code: 574797

Hazard Statements:
H319 - Causes severe eye irritation.

Precautionary Statements:
P264 - Thoroughly wash skin after handling.
P280 - Use eye protection/face protection.

P305 + P351 + P338 - IF IN EYES: Carefully rinse with water for several minutes. Remove contact lenses if present and easy to do, then continue rinsing.

P337 + P313 - If eye irritation continues: Seek medical advice/attention.

Supplemental Hazard Statements: None

Reduced Labeling (for containers ≤ 125 ml):

Pictogram:

Signal Word: Warning

Hazard Statements: None

Precautionary Statements: None

Supplemental Hazard Statements: None.

2.3 Other hazards

This substance/mixture contains no components classified as persistent, bioaccumulative, and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher.

Ecological Information: The substance/mixture does not include components that are identified as having endocrine-disrupting properties under REACH Article 57(f), or according to Commission Delegated Regulation (EU) 2017/2100, or Commission Regulation (EU) 2018/605 at levels of 0.1% or more.

Toxicological Information: Likewise, the substance/mixture does not contain any components considered to have endocrine-disrupting properties in line with REACH Article 57(f), or under the criteria of Commission Delegated Regulation (EU) 2017/2100, or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information of ingredients

3.1 Mixtures

Component		Classification	Concentration
Edetate disodium dihydrate			
CAS-No.	6381-92-6	Acute Tox. 4; STOT RE 2;	>= 1 - < 10
EC-No.	205-358-3	H332, H373	%
	-		

Ethylenediaminetetraacetic acid tetrasodium salt dihydrate			
CAS-No.	10378-23-1	Acute Tox. 4; Eye Dam. 1;	>= 1 - < 3 %
EC-No.	200-573-9	STOT RE 2; H302, H332, H318, H373	
	*		

*A registration number is unavailable for this substance because it is either exempt from registration under Article 2 of the REACH Regulation (EC) No 1907/2006, or its annual tonnage does not necessitate registration. For the full text of the H-Statements mentioned in this section, refer to Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

4.2 In case of skin contact

This substance does not irritate the skin. Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Personal protection

5.1 Exposure controls

Personal protective equipment Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards.

Skin protection

This recommendation is only valid for the product specified in the safety data sheet provided by us and for the intended use. If you mix this product with other substances or use it under conditions different from those described in EN 16523-1, please consult a supplier of CE-approved gloves.

For Full Contact:

Material: Nitrile rubber

Minimum Layer Thickness: 0.11 mm

Breakthrough Time: 480 minutes

For Splash Contact:

Material: Nitrile rubber

Minimum Layer Thickness: 0.11 mm

Breakthrough Time: 480 minutes

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dust as desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

SECTION 6: Physical and chemical properties

6.1 Information on basic physical and chemical properties

Property	Details
a) Physical State	Liquid
b) Color	Colorless
c) Odor	No data available
d) Melting Point/Freezing Point	No data available
e) Initial Boiling Point and Boiling Range	No data available
f) Flammability (Solid, Gas)	No data available
g) Upper/Lower Flammability or Explosive Limits	No data available
h) Flash Point	No data available
i) Autoignition Temperature	No data available
j) Decomposition Temperature	No data available
k) pH	No data available
l) Viscosity	Kinematic Viscosity: No data available Dynamic Viscosity: No data available
m) Water Solubility	Soluble
n) Partition Coefficient (n-octanol/water)	No data available
o) Vapor Pressure	No data available
p) Density	No data available Relative Density: No data available
q) Relative Vapor Density	No data available
r) Particle Characteristics	No data available
s) Explosive Properties	Not classified as explosive
t) Oxidizing Properties	None

SECTION 7: Stability and reactivity

7.1 Reactivity

No data available

7.2 Chemical stability

Stable under room temperature. Stable under alkaline pH conditions Not stable under acidic conditions

7.3 Possibility of hazardous reactions

No data available

7.4 Incompatible materials

Strong oxidizing agents, Strong acids

7.6 Hazardous decomposition products

No data available

SECTION 8: Toxicological information

8.1 Information on toxicological effects

Acute toxicity

- **Oral:** Estimated acute toxicity is greater than 2,000 mg/kg (based on calculation method).
- **Inhalation (4 hours):** Estimated acute toxicity is greater than 5 mg/l for dust or mist (based on calculation method).

Symptoms: Potential symptoms include mucosal irritation.

Dermal: No information available.

Skin Corrosion/Irritation: No information available.

Serious Eye Damage/Eye Irritation: The mixture is known to cause serious eye irritation.

Respiratory or Skin Sensitization: No information available.

Germ Cell Mutagenicity: No information available.

Carcinogenicity: No information available.

Reproductive Toxicity: No information available.

Specific Target Organ Toxicity - Single Exposure: No information available.

SECTION 9: Transport information

9.1UN Number

- ADR/RID: Not applicable
- IMDG: Not applicable

- IATA: Not applicable

9.2 UN Proper Shipping Name

- ADR/RID: Not classified as dangerous goods
- IMDG: Not classified as dangerous goods
- IATA: Not classified as dangerous goods

9.3 Transport Hazard Class(es)

- ADR/RID: Not applicable
- IMDG: Not applicable
- IATA: Not applicable

9.4 Packaging Group

- ADR/RID: Not applicable
- IMDG: Not applicable
- IATA: Not applicable

9.5 Environmental Hazards

- ADR/RID: No
- IMDG: Marine pollutant: No
- IATA: No

9.6 Special Precautions for User

- No data available

Further Information

This product is not classified as dangerous under transport regulations.

SECTION 10: Waste Treatment information

10.1

10.1 Waste treatment methods

No data available

SECTION 11: Disposal information

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Other regulations

Take note of Dir 94/33/EC on the protection of young people at work.

11.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

