

Material Safety Data Sheet

Version No.: 3.0 (Rev.date 2020-06-30)

TE (pH 8.0)

1. Product and Company Information

Product Name : TE (pH 8.0)

Recommended Use : For Research Use Only

Supply Information

- Company : Bioneer
- Address : 8-11 Munpyeongseo-ro, Daedeok-gu, Daejeon 34302, Republic of Korea
- Emergency telephone number : 82-42-930-8777

2. Hazards Identification

GHS-Classification

Classification of the hazardous chemical

Not Hazardous substance.

Label elements, including precautionary statements

Pictogram

Not information available.

Hazard statements

Not information available.

Precautionary statements

Not information available.

3. Composition/Information on ingredients

Chemical name	Synonyms	CAS No.	Weight (%)
Trizma base		77-86-1	>1%
Ethylenediaminetetraacetic acid		6381-92-6	>1%
Water		7732-18-5	70~99%

4. Composition/Information on ingredients

- . Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes.
- . Skin Contact : Rinse thoroughly with plenty of water for at least 15 minutes.

- . Inhalation : Move to fresh air. If breathing is difficult, give oxygen.
 - . Ingestion : Rinse around the mouth with water.
 - . The most important acute and delayed symptoms/effects : Not information available.
 - . Notes to Physician : Not information available.
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5. Fire-fighting measures

- . Suitable Extinguishing Media : Water-spray, Dry chemical, CO2.
 - . Flammable Properties : No information available.
 - . Protective Equipment and Precautions for Firefighters : As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.
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6. Accidental release measures

- . Personal Precautions : Wear respirator,safety goggles,boots,thick gloves.
 - . Environmental Precautions : Absorb the sand or vermiculite. Store in a sealed container for disposal.
 - . Methods for cleaning up : Cover with dry limbs or soda ash. Wash contaminated area.
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7. Handling and Storage

- . Handling : Do not breathe vapours. Keep away from contact with eye, skin, cloth.
 - . Storage : Store at room temperature
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8. Exposure control/personal protection

- . Chemical exposure limits, biological exposure limits etc. : No data available.
 - . Engineering Measures : No data available.
 - . Personal Protective Equipment
 - Respiratory Protection : Wear respiratory mask approved by KOSHA(Korea Occupation Safety Health Agency).
 - Eye/Face Protection : Wear Chemical Safety protective goggle or glasses approved by KOSHA(Korea Occupation Safety Health Agency).
 - Skin Protection : Wear Chemical Safety gloves approved by KOSHA(Korea Occupation Safety Health Agency).
 - Body Protection : Wear protective clothes approved by KOSHA(Korea Occupation Safety Health Agency).
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9. Physical and chemical properties

- . Appearance : Liquid, transparentness
 - . Odor : No data available
 - . Odor threshold : No information available
 - . pH : No information available
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- . Melting point/Freezing point : No information available
 - . Initial boiling point/range : No information available
 - . Flash point : No information available
 - . Evaporation rate : No information available
 - . Flammability (Solid,Liquid) : No information available
 - . Flammability Limits upper/lower : No information available
 - . Vapor pressure : No information available
 - . Solubility : No information available
 - . Vapor density : No information available
 - . Viscosity : No information available
 - . n octanol/water : No information available
 - . Autoignition temperature : No information available
 - . Decomposition temperature : No information available
 - . Specific gravity : No information available
 - . Molecular weight : No information available
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10. Stability and Reactivity

- . Stability : Stable under recommended storage conditions.
 - . Possibility of harmful response : No information available
 - . Conditions to avoid (electric discharge, impact, vibration etc) : No information available
 - . Material to avoid : No information available
 - . Hazardous Decomposition Products : Carbon oxides, Nitrogen oxides
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11. Toxicological information

- . Principle routes of exposure
 - Respiratory: No information available
 - Dermal : No information available
 - Eye/Skin : No information available
 - . Health effects
 - Acute toxicity : No data available
 - Skin corrosive or irritant : Can be skin irritation
 - Serious eye damage or irritant : Can be eye irritation
 - Respiratory irritability : No data available
 - Skin irritability : No data available
 - Carcinogenicity : No data available
 - Germ cell mutagenicity : No data available
 - Reproductive toxicity : No data available
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Specific target organ toxicity (single exposure) : No data available

Specific target organ toxicity (repeated exposure) : No data available

Aspiration Hazard : No data available

. Numerical measures of toxicity (Acute toxicity estimates etc) : No data available

12. Ecological Information

. Ecotoxicity effects: No data available

. Residual and degradability : No data available

. Bioaccumulation : No data available

. Mobility : No data available

. Other harmful effects : No data available

13. Disposable considerations

. Waste disposal method : No data available

. Contaminated packaging : Dispose contents and vessel in accordance with regulation by the waste disposal law.

14. Transport Information

. Not regulated in the meaning of transport regulations.

IMDG: Non-hazardous for sea freight.

ADR: Non-hazardous for road transport.

RID: Non-hazardous for rail transport.

ICAO/IATA: Non-hazardous for air transport.

. UN Number: Not applicable

. UN Proper Shipping Name: Not applicable

. Transport hazard class: Not applicable

. Packing group: Not applicable

. Marine pollutant: Not applicable

. The special vehicle Safety measures: Not applicable

15. Regulatory information

. Regulation by Industrial safety and health act : Not applicable

. Regulation by chemicals control act : Not applicable

. Regulation by Safety control of dangerous substance act : Not applicable

. Regulation by the waste control act : Not applicable

. Regulation by other domestic and foreign regulatory : Not applicable

16. Other information

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