



1121 5th Street NW
 Washington, DC 20001
www.edvotek.com

Safety Data Sheet

Version 3
 Revision Date 05/14/2025

PRODUCT AND COMPANY IDENTIFICATION

Product name: Electrophoresis Buffer 10x TBE	Telephone: 1-800-338-6835 or 202-370-1500
Product Number: 607-1	Fax: 202-370-1501
Brand: Edvotek	Emergency Phone # (For both supplier and Manufacturer): 202-370-1500
Supplier: Edvotek	
1121 5 th Street NW Washington, DC 20001	

HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

Skin Irritant 2 Eye Irritant 2

Signal word

Warning

Pictogram



Hazard statement(s)

H315 - Causes skin irritation

H319 - Causes serious eye irritation **H335**
 – May cause respiratory irritation.

Precautionary statement(s)

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302+ P352 - IF ON SKIN: Wash with plenty of soap and water

P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification:

Health hazard: 2

Flammability: 0

Physical hazard: 0

NFPA Rating:

Health hazard: 2

Fire: 0

Reactivity Hazard: 0

Potential Health Effects:**Inhalation:** May be harmful if inhaled.

Causes respiratory tract irritation

Skin- May be harmful if absorbed.

through skin. Causes skin irritation.

Eyes: Causes eye irritation.**Ingestion:** Harmful if swallowed.**COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture of the substances listed below with nonhazardous additions.

Chemical name	EC No.	CAS -No	Concentration
Boric Acid	233-139-2	10043-35-3	--
Tris	201-064-4	77-86-1	--
EDTA, disodium dihydrate	200-449-4	6381-92-6	--

FIRST AID MEASURES**General information**

No special measures required.

If inhaled

If breathed in, move person into fresh air.

If not breathing, give artificial respiration.

Consult doctor in case of complaints.

In case of skin contact

Immediately wash off with soap and plenty of water. Get medical attention if symptoms develop.

In case of eye contact

Flush eyes with water as a precaution.

Get medical attention immediately if irritation persists.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if symptoms develop.

FIREFIGHTING MEASURES

ACCIDENTAL RELEASE MEASURES

Conditions of flammability

Not flammable or combustible.

Suitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

May emit toxic and/or irritating fumes under fire conditions.

Personal precautions

Prevent skin/eye contact. Use personal protective equipment as needed.

Environmental precautions

Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and materials for containment and cleaning up

Clean up spills immediately. Use absorbent materials if needed and dispose into a chemical waste container.

HANDLING AND STORAGE

Precautions for safe handling

No special measures necessary. Good laboratory technique should be used when handling.

Conditions for safe storage

No special measures necessary. Store at room temperature.

Incompatible Products

Strong oxidizing agents.

Personal protective equipment

EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Wear protective gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Avoid eye contact with this material. Wear chemical safety glasses with side shields or chemical safety goggles.

Skin and body protection

Use chemical gloves as needed. Use clean protective body covering clothing as needed to minimize contact with clothing and skin.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash and dry hands at the end of workday.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid
Color	white
Odor	Odorless

Safety data

pH	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure	no data available
Density (water=1)	no data available
Water solubility	no data available
Partition coefficient:	
n-octanol/water	no data available
Relative vapour Density	no data available
Odour Threshold	no data available
Evaporation rate	no data available

STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No further relevant data available.

Conditions to avoid

No further relevant data available.

Materials to avoid

Oxidizing agents, Strong oxidizing agents

Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx).

TOXICOLOGICAL INFORMATION

Acute toxicity LD/LC50 values

no data available

Respiratory or skin sensitization

no data available

Serious eye damage/eye irritation

no data available

Germ cell mutagenicity

no data available

Skin corrosion/irritation

no data available

Carcinogenicity

No components of this product are listed by IARC, ACGIH, NTP and OSHA.

Reproductive toxicity

no data available

Aspiration hazard

no data available

Teratogenicity

no data available

Synergistic effects

no data available

ECOLOGICAL INFORMATION

Toxicity

no data available

Mobility in soil

no data available

Persistence and degradability

no data available

PBT and vPvB assessment

no data available

Bioaccumulative potential

no data available

Other adverse effects

no data available

DISPOSAL CONSIDERATIONS

Product

Dispose of unused product, residues, and containers according to local, regional, state, and national regulations.

Contaminated packaging

Dispose of as unused product.

TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

REGULATORY INFORMATION

OSHA Hazards

Skin Irritant 2 Eye Irritant 2

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

OTHER INFORMATION

For educational use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.