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

SAFETY DATA SHEET

Version 3
Revision Date 05/14/2025

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Electrophoresis Buffer 10X TBE
Product Number: 607-1
Brand: Edvotek
Supplier: Edvotek
1121 5th Street NW Washington, DC 20001

Telephone: 1-800-338-6835 or 202-370-1500
Fax: 202-370-1501
Emergency Phone #: 202-370-1500
(For both supplier and Manufacturer

2. 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.

3. 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	--

4. 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.

5. FIREFIGHTING MEASURES

Conditions of flammability
Not flammable or combustible.

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

6. ACCIDENTAL RELEASE MEASURES

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

7. 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.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Personal protective equipment
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Form solid
Color white
Odor Odorless

Safety data

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

10. 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).

11. TOXICOLOGICAL INFORMATION

Acute toxicity LD/LC50 values
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
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

Teratogenicity
no data available

Aspiration hazard
no data available

Synergistic effects
no data available

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 assessment - no data available

Other adverse effects - no data available

13. 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.

14. TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

15. 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

16. 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.