



# MATERIAL SAFETY DATA SHEET

## 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name: 50x TAE Electrophoresis Buffer**  
**Catalogue No: 607**

**CAS No:** Not available

**Synonym:** Not applicable

**Chemical name:** Not available

**Chemical formulae:** Not available

**Application of the substance / the preparation:** Laboratory chemical used as DNA electrophoresis buffer.

### Contact information:

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## 2 COMPOSITION AND INFORMATION ON INGREDIENTS

**Composition:** Solution consisting of the following components:

Name	CAS No	% by Weight
Water	7732-18-5	>50%
[2-hydroxy-1,1-bis(hydroxymethyl)ethyl]ammonium acetate	6850-28-8	10-25%
Trometamol	77-86-1	10-25%
Disodium dihydrogenethylenediaminetetraacetate  Xn; HARMFUL if swallowed.	139-33-3	1-2.5%

## 3 HAZARDS IDENTIFICATION

**Hazards description:** Not applicable

**Information concerning particular hazards for human and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification" guideline for preparations of the EU in the latest valid version.

## 4 FIRST AID MEASURES

**General information:** No special measures required.

**Inhalation:** Supply fresh air, consult doctor in case of complaints.

**Skin contact:** Generally product does not irritate the skin.

**Eye contact:** Rinse opened eye for several minutes under running water.

**Ingestion:** If symptoms persist consult doctor.

## 5 FIRE-FIGHTING MEASURES

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Protective equipment:** No special measures required.

## 6 ACCIDENTAL RELEASE MEASURES

**Person related safety precautions:** Not required.

**Measures for environmental protection:**

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

**Measures for cleaning/collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)

**Additional information:** No dangerous substances are released.

## 7 HANDLING AND STORAGE

**Handling:** No special measures required.

**Information about fire and explosion protection:** No special measures required.

**Storage:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Technical facilities:** No special measures required.

**Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals.

**Respiratory protection:** Not required.

**Protection of hands:** Gloves that are impermeable and resistant to the product/the substance/the preparation.

**Eye protection:** Goggles recommended during refilling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical state and appearance:** Solution.

**Odour:** None

**Taste:** Not available

**Molecular weight:** Not available

**Colour:** Colourless

**pH:** 8.4

**Boiling point:** Not available

**Melting point:** Not available

**Flash point:** None

**Specific gravity:** Not available

**Vapour pressure:** Not available

**Vapour density:** 1.09 g/cm<sup>3</sup>

**Volatility:** Product is not an explosion hazard

**Odour threshold:** Not available

**Solubility in/miscibility with water:** Fully miscible

## 10 STABILITY AND REACTIVITY

**Stability:** The product is stable

**Instability temperature:** Not thermally instable

**Conditions of instability:** Not applicable

**Incompatibility:** No dangerous reactions known

**Corrosivity:** Non-corrosive

## 11 TOXICOLOGICAL INFORMATION

**Acute toxicity:**

**Primary irritant effect:**

**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:** The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects.

## 12 ECOLOGICAL INFORMATION

**General notes:** Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

## 13 DISPOSAL CONSIDERATIONS

**Product:** Smaller quantities can be disposed of with household waste.

**Uncleaned packaging:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## 14 TRANSPORT INFORMATION

**Land transport ADR/RID (cross-border)**

**ADR/RID class:** Not applicable

**Maritime transport IMDG:**

**IMDG Class:** Not applicable

**Marine pollutant:** Not a marine pollutant

**Air transport ICAO-T, ICAO/IATA Class:** Not applicable

## 15 REGULATORY INFORMATION

**Labelling according to EU guidelines:** Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

## 16 OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Edvotek is not held liable for any damage resulting from handling or from contact with the above mentioned products. MSDS has been prepared in accordance with EU directives 67/548/EEC, 91/155/EEC and other European Union legislation in force.