

Material Safety Data Sheet

Product: 40x TAE

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 40X TAE (Tris-Acetat-EDTA)Electrophoresis Buffer

Product Number: 3031

Application of the substance: Laboratory chemicals intended for research use only

Manufacturer / Supplier :

abc biopply
anfass LT AG (Dept.)
Gewerbstrasse
6330 Cham
Switzerland
Tel.: 0041 41 747 25 50
Fax: 0041 41 743 25 36
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2. COMPOSITION / DATA ON COMPONENTS

Chemical Characterisation

Reagent CAS#

- Tris (Trishydroxymethylaminomethane) CAS: 77-86-1
- Acetic acid CAS: 64-19-7 (EINECS: 200-580-7)
- EDTA (Ethylendiamine tetraacetic acid) CAS: 60-00-4 (EINECS: 200-449-4)

3. HAZARD IDENTIFICATION

Primary routes of entry

Skin or eye contact from splashes.
Inhalation of the vapour at room temperature is unlikely.

Ingestion

May cause irritation of the digestive tract.

Skin contact

May cause skin irritation.

Eye contact

May cause irritation.

Evidence for reproductive toxicity, carcinogenicity and mutagenicity

No data available.

4. FIRST AID MEASURES

After skin contact

Wash skin with water and soap and rinse thoroughly. Remove contaminated clothing.

After eye contact

Rinse opened eyes for at least 15 minutes under running water. Get medical attention if eyes become irritating.

After swallowing (ingestion)

Rinse mouth. Drink plenty of water. Get medical attention if irritating or symptoms occur.

5. FIRE FIGHTING MEASURES

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40x TAE

MSDS

Fire and explosion hazards

Gives off irritating or toxic fumes in a fire.

Suitable extinguishing media

Water spray, carbon dioxide, extinguishing powder or foam.

Protective equipment

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use proper personal protective equipment as indicated in Section 8.

Measures for cleaning / collecting

Sweep up or absorb material, then place it into container for disposal. Dispose of in accordance with federal, state and local environmental regulations. Wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling

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

Storage

Store at room temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

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

Eye protection

Safety goggles (glasses).

Skin protection

Protective gloves, a lab coat.

Hygiene measures

Keep away from foodstuffs and beverages. Avoid contact with the eyes and skin. Do not eat, drink or smoke while working with products.

Breathing equipment

Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Flash point

Liquid. No data available.

Colour Explosive properties

Colourless. No data available.

Odour Vapour pressure

Odourless. No data available.

Malting point/Melting range:

Not applicable

Boiling point/ Boiling range

100 %.

Density:

Not determined

Solubility in / Miscibility with Water:

Fully miscible

10. STABILITY AND REACTIVITY

Stability

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Stable, under normal handling and storage conditions.

Thermal Decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Conditions to avoid:

Contact with strong oxidants, fire.

11. TOXICOLOGICAL INFORMATION

The toxicological properties of those materials have not been fully investigated.

Irritating to eyes.

Irritating to skin.

Harmful if swallowed.

Preparations may cause allergic reactions in certain sensitive individuals.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state and local environmental regulations.

14. TRANSPORT INFORMATION

Not regulated.

15. REGULATORY INFORMATION

R22

Harmful if swallowed.

R36

Irritating to eyes.

R38

Irritating to skin.

S36/37/39

Wear suitable protective clothing, gloves and eye/face protection.

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. abc biopply is not held liable for any damage resulting from handling or from contact with the above products.

MSDS has been prepared in accordance with EU Directive 67/548/EEC, 91/155/EEC and other EU Community legislations in force.

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