

**TAE Buffer 50X****TAE****SECTION 1 Identification of the Substance/Mixture and of the Company/Undertaking****1.1. Product identifier**

Identification of the product : Mixture  
Product code : TAE  
Trade name : TAE Buffer 50X

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use : For research purposes only

**1.3. Details of the supplier of the safety data sheet**

Company identification : **Formedium Ltd.**  
King's Lynn, England, PE31 6DJ  
Tel: +44(0)1485 609069  
Web: [www.Formedium.com](http://www.Formedium.com)  
E-mail: [info@formedium.com](mailto:info@formedium.com)

**1.4. Emergency telephone number**

Emergency phone nr : Tel: +44(0)1485 609069 (local time : 9.00 to 17.00)  
National Poison Information Centre :Europe UK : +44 0845 4647 (this service is only available to health professionals)  
See [www.toxbase.org](http://www.toxbase.org) for a local poison centre

**SECTION 2 Hazards Identification****2.1. Classification of the substance or mixture****Classification according to Regulation ( EC ) 1272/2008**

Physical hazards: Not classified  
Health hazards: Not classified  
Environmental hazards: Not classified  
Additional information: Not applicable

**2.2. Label elements****Labelling according to Regulation EC 1272/2008**

Physical hazards: Not classified  
Health hazards: Not classified  
Environmental hazards: Not classified  
Additional information: Not applicable

**2.3. Other hazards**

The product does not contain any substances that are assessed to be a PBT or a vPvB.

**TAE Buffer 50X****TAE****SECTION 3 Composition / Information on Ingredients**

**Chemical nature** : Aqueous solution of organic compounds.

**3.1. Substance**

Not applicable.

**3.2. Mixture**

This mixture contains no substances which at their given concentration are considered to be hazardous to health.

**SECTION 4 First Aid Measures****4.1. Description of first aid measures**

- General information** : Notes to physician :- Treat symptomatically.
- Inhalation** : Not expected to be an inhalation hazard under anticipated conditions of normal use. If you feel unwell seek medical advice.
- Skin contact** : Rinse with plenty of water. Immediate medical attention is not required.
- Eye contact** : Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do.
- Ingestion** : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell seek medical advice.

**4.2. Most important symptoms and effects, both acute and delayed**

Not applicable.

**4.3. Indication of any immediate medical attention and special treatment needed**

None.

**TAE Buffer 50X****TAE****SECTION 5 Fire-fighting Measures****5.1. Extinguishing media**

**Suitable extinguishing media** : Water spray. Carbon Dioxide (CO2). Foam. Dry chemical.

**5.2. Special hazards arising from the substance or mixture**

Not known.

**5.3. Advice for fire-fighters**

Standard procedure for chemical fires.

**SECTION 6 Accidental Release Measures****6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment.

**Advice for emergency responders** : Protective equipment (see section 8).

**6.2. Environmental precautions**

No special environmental precautions required.

**6.3. Methods and material for containment and cleaning up**

Soak up with inert absorbent material

**6.4. Reference to other sections**

See Section 8 for more information.

**SECTION 7 Handling and Storage****7.1. Precautions for safe handling**

Use personal protective equipment as required.

No special handling advice is necessary.

**7.2. Conditions for safe storage including any incompatibilities**

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers. Keep containers tightly closed.

**Recommended storage temperature:**

Room temperature.

Keep away from light.

**7.3. Specific end use(s)**

For research use only.

**TAE Buffer 50X****TAE****SECTION 8 Exposure controls / Personal protection****8.1. Control parameters****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**8.2. Exposure controls****Engineering measures**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment****Eye /face protection**

Tight sealing safety goggles.

**Skin and body protection**

Wear suitable protective clothing.

**Respiratory protection**

In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Skin protection**

Handle with gloves. Gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN 374. The gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with the product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Control of environmental exposure**

No special environmental precautions required.

**TAE Buffer 50X****TAE****SECTION 9 Physical and Chemical Properties****9.1. Information on basic physical and chemical properties**

<b>Form</b>	: Liquid
<b>Colour</b>	: Colourless
<b>Odour</b>	: Odourless
<b>Odour Threshold</b>	: No information available
<b>pH</b>	: No information available
<b>Melting point</b>	: No information available.
<b>Boiling point</b>	: No information available.
<b>Flash point</b>	: No information available.
<b>Evaporation rate</b>	: No information available.
<b>Flammability (solid, gas)</b>	: No information available.
<b>Lower explosion limit</b>	: No information available.
<b>Upper explosion limit</b>	: No information available.
<b>Vapour pressure</b>	: No information available.
<b>Relative vapour density</b>	: No information available.
<b>Density</b>	: 1.08 g/cm <sup>3</sup> at 20 °C
<b>Relative density</b>	: No information available.
<b>Water solubility</b>	: No information available.
<b>Partition coefficient: n-octanol/water</b>	: No information available.
<b>Auto-ignition temperature</b>	: No information available.
<b>Decomposition temperature</b>	: No information available.
<b>Viscosity, dynamic</b>	: No information available.
<b>Explosive properties</b>	: Not classified as explosive.
<b>Oxidizing properties</b>	: None

**9.2. Other Information****Other data** : None

**TAE Buffer 50X****TAE****SECTION 10 Stability and Reactivity****10.1. Reactivity**

None known.

**10.2. Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature).

**10.3. Possibility of hazardous reactions**

Hazardous reaction has not been reported.

**10.4. Conditions to avoid**

None under normal processing.

**10.5. Incompatible materials**

No dangerous reaction known under conditions of normal use.

**10.6. Hazardous decomposition products**

None under normal use conditions.

**SECTION 11 Toxicological Information****11.1. Information on toxicological effects**

There is no evidence available indicating acute toxicity.

<b>Irritation</b>	Conclusive but not sufficient for classification.
<b>Corrosivity</b>	Conclusive but not sufficient for classification.
<b>Sensitisation</b>	Conclusive but not sufficient for classification.
<b>STOT – Single exposure</b>	Conclusive but not sufficient for classification.
<b>STOT – Repeated exposure</b>	Conclusive but not sufficient for classification.
<b>Carcinogenicity</b>	Conclusive but not sufficient for classification.
<b>Mutagenicity</b>	Conclusive but not sufficient for classification.
<b>Reproductive toxicity</b>	Conclusive but not sufficient for classification.

**11.2. Additional Information****Endocrine disrupting properties :**

The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**TAE Buffer 50X****TAE****SECTION 12 Ecological Information****12.1. Toxicity**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

No information available.

**12.7. Endocrine disrupting properties**

The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 13 Disposal considerations****13.1. Waste treatment methods**

The generation of waste should be avoided or minimized where possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national / federal regulations.

**TAE Buffer 50X****TAE****SECTION 14 Transport Information****14.1. UN Number**

Not classified as dangerous in the meaning of transport regulations

**14.2. Proper shipping name**

Not applicable

**14.3. Transport Hazard Classification**

Not applicable

**14.4. Packing Group**

Not applicable

**14.5. Environmental Hazards**

Not applicable

**14.6. Special precautions for user**

Not applicable

**14.7. Bulk Transport – annex II Marpol 73/78 - IBC**

Not applicable

**SECTION 15 Regulatory Information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Ensure all national / local regulations are observed. See label for full details, information.  
This safety datasheet complies with the requirements of Regulation (EU) No. 2015/830.

**15.2. Chemical Safety Assessment**

Not established.

**SECTION 16 Other Information****Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Formedium Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

**Revision**

Complete SDS revision

End of document