

# Safety Data Sheet

## QuickSilver™ Tris-Acetate-EDTA Powdered Buffer

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### Identification of the substance or mixture

**Product code:** EB1000

**Product name:** TAE Buffer Powder

#### Company/undertaking identification

Accuris Life Science Reagents, a division of Benchmark Scientific, Inc.

2600A Main Street Extension

Sayreville, NJ 08572

908 769-5555

**For Research Use Only. Not for use in diagnostic procedures.**

### SECTION 2: Hazards identification

#### GHS – Classification

Not hazardous

#### Principle Routes of Exposure/

#### Potential Health effects

**Eyes** No information available.

**Skin** No information available.

**Inhalation** No information available.

**Ingestion** No information available.

#### Specific effects

**carcinogenic effects** No information available

**mutagenic effects** No information available

**Reproductive toxicity** No information available

**sensitisation** No information available

**Target Organ Effects** No information available

### SECTION 3: Composition/information on ingredients

Component	CAS-No	EINECS-No	Weight %
TRIS-AC	/	/	40-55%
TRIS	77-86-1	/	40-55%
Edta-2Na	139-33-3	205-358-3	3-6%

### SECTION 4: First aid measures

**Skin contact** Wash off immediately with plenty of water. Consult a physician if necessary.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15minutes. If symptoms persist, call a physician.

**Ingestion** Do not induce vomiting without medical advice. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

**Inhalation** Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

**Notes to physician** Treat symptomatically.

### SECTION 5: Firefighting measures

**Suitable extinguishing media** Water. foam. dry chemical. carbon dioxide (CO2).

## Special protective equipment for fire fighters

Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Prevent product from entering drains.

## SECTION 7: Handling and storage

**Handling** No special handling advice required. Always wear recommended Personal Protective Equipment.

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

## SECTION 8: Exposure controls/personal protection

**Exposure limit(s):** We are not aware of any national exposure limit.

**Engineering measures:** Ensure adequate ventilation, especially in confined areas

### Personal protective equipment

**Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment

**Hand protection:** Impervious gloves.

**Eye protection:** Safety glasses with side-shields

**Skin and body protection:** Lightweight protective clothing.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls:** Prevent product from entering drains.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance:</b>	White powder
<b>Odor:</b>	None
<b>Odor Threshold:</b>	Mixture has not been tested
<b>pH:</b>	One pack in 1L water, 25°C, pH 8.3 ±0.1
<b>Melting point / melting range:</b>	Mixture has not been tested
<b>Boiling point / boiling range:</b>	Mixture has not been tested
<b>Flash point:</b>	Mixture has not been tested
<b>Autoignition temperature:</b>	Mixture has not been tested
<b>Decomposition temperature:</b>	Mixture has not been tested
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	Not Applicable
<b>Upper explosion limit:</b>	Mixture has not been tested
<b>Lower explosion limit:</b>	Mixture has not been tested
<b>Vapor pressure:</b>	Mixture has not been tested
<b>Relative density:</b>	Mixture has not been tested
<b>Specific gravity:</b>	No data available
<b>Solubility:</b>	Soluble in water
<b>Partition coefficient:n-octanol/water:</b>	No data available
<b>Viscosity:</b>	Mixture has not been tested
<b>Explosive properties:</b>	Mixture has not been tested
<b>Oxidizing properties:</b>	Mixture has not been tested
<b>Other information:</b>	No data available

## SECTION 10: Stability and reactivity

**Reactivity:** None known.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** Hazardous reaction has not been reported.  
**Conditions to avoid:** No information available.  
**Incompatible materials:** Oxidizing agents. Acids. Bases. Sulfur trioxide. Iodine.  
**Hazardous decomposition products:** No data available

## SECTION 11: Toxicological information

### Information on toxicological effects

Chemical Name LD50	(oral, rat/mouse) LD50	(dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
TRIS-AC	No data	No data	No data
TRIS	No data	No data	No data
EDTA-2Na	No data	No data	No data

### Principal Routes of Exposure

**Irritation:** No data available  
**Corrosivity:** No data available  
**Sensitization:** No data available  
**STOT - Single Exposure:** No data available  
**STOT - Repeated Exposure:** No data available  
**Carcinogenicity:** No data available  
**Mutagenicity:** No data available  
**Reproductive toxicity:** No data available  
**Aspiration hazard:** No data available

## SECTION 12: Ecological information

### Toxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
TRIS-AC	No data available	No data available	No data available	No data available	No data available
TRIS	No data available	No data available	No data available	No data available	No data available
EDTA-2Na	No data available	No data available	No data available	No data available	No data available

**Persistence and degradability:** No information available.  
**Bioaccumulative potential:** Material does not bioaccumulate.  
**PBT and vPvB assessment:** Not Applicable.  
**Other adverse effects:** No information available.

## SECTION 13: Disposal considerations

### Waste treatment methods

The generation of waste should be avoided or minimized wherever 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.

## SECTION 14: Transport information

### IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations.

**UN number:** Not Applicable  
**UN proper shipping name:** Not Applicable  
**Transport hazard class(es):** Not Applicable  
**Packing group:** Not Applicable

**Environmental hazards:** Not Applicable

**Special precautions for user:** Not Applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not Applicable.

#### **SECTION 15: Regulatory information**

No data available

#### **SECTION 16: Other information**

**Creation date:** April 17, 2019

**Last update:** April 17, 2019

**Reason for revision:** N/A

**Revision number:** 0

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#### **References**

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-database>

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