



# Safety Data Sheet

## Hazard Information

Hazard information is provided for compliance with both the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations and the US Hazard Communication Standard (HCS).

### Chemical and Company Identification

| Product name                                 | Product code |                               |
|--|--------------|-------------------------------|
| Tris-Acetate-EDTA (TAE Buffer), 10X Solution | GR150-1      | <i>For research use only.</i> |

#### Supplier

Hoefer, Inc.  
84 October Hill Road, Suite 10  
Holliston, MA 01746  
Phone: 800-227-4750  
508-893-8999

#### Emergency Contact

ChemTel Inc.  
800-255-3924 (North America) +1-813-248-0585 (International)  
1-300-954-583 (Australia) 0-800-591-6042 (Brazil)  
000-800-100-4086 (India) 400-120-0751 (Peoples Republic of China)  
800-099-0731 (Mexico)

### Composition / Ingredients

| Hazard                  | CAS No.   | EC No. | %WT        | Molecular Formula   | Molecular Weight |
|-------------------------|-----------|--------|------------|---|------------------|
| Tris                    | 77-86-1   | None   | 48.4 g/L   | C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub>                                | 121.14 g/mol     |
| Glacial acetic acid     | 64-19-7   | None   | 11.42 ml/L | CH <sub>3</sub> COOH  | 60.052 g/mol     |
| EDTA disodium dihydrate | 6381-92-6 | None   | 20 ml/L    | C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>8</sub> | 372.24 g/mol     |
| Water                   | 7732-18-5 | None   | >95%       | H <sub>2</sub> O  | 18.015 g/mol     |

### Hazards Identification

#### Emergency Overview:

**GHS Classification:** Not considered dangerous by GHS.

#### Potential Health Effects:

**Target Organs:** None known.

**Eyes:** May cause irritation.

**Skin:** May cause irritation.

**Inhalation:** May be harmful if inhaled.

**Ingestion:** May be harmful if swallowed.

**CHRONIC HEALTH HAZARDS:** None known.

#### First Aid Measures

**Eyes:** Flush eyes with water. Consult a physician.

**Skin:** In case of contact, flush area immediately with water. Get medical aid if irritation persists.

**Inhalation:** Remove victim to fresh air. Get medical attention if irritation persists.

**Ingestion:** Wash mouth with water. Get medical attention if any symptoms appear.

### Fire-Fighting Measures

**Flammable:** No

**Flash Point:** Not determined.

**Autoignition Temperature:** Not determined.

**Extinguishing Media:** Use water spray, foam, dry chemical or carbon dioxide.

**Explosion Data:** Not available.

### Accidental Release Measures

**Personal Precautions:** Ventilate the area. Wear appropriate protective equipment. Avoid contact with skin, eyes and clothing.

**Methods for Containment and Clean Up:** Contain further leakage. Use absorbent materials to clean up spills. Place in a suitable container. Dispose according to local regulations.

### Handling and Storage

**Handling:** Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

**Storage Conditions:** Room temperature

## Exposure Controls/Personal Protection

ACGIH, NIOSH, OSHA, none listed  
Use adequate ventilation. Avoid spills.

**Personal Protective Equipment:** Wear appropriate safety glasses and protective gloves/clothing.

**Engineering Measures:** Eye wash stations

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after handling product.

## Physical and Chemical Properties

**Appearance:** Liquid

**Odor:** No information found.

**Odor Threshold:** No information found.

**Melting Point:** No information found.

**Boiling Point:** No information found.

**Specific Gravity:** No information found.

**Vapor Density:** No information found.

**Vapor Pressure:** No information found.

**Water Solubility:** Yes

**pH:** 8.0

**Flash Point:** No information found.

**Ignition Temperature:** No information found.

**Autoignition Temperature:** No information found.

**Lower Explosion Limit:** No information found.

**Upper Explosion Limit:** No information found.

## Stability and Reactivity

**Stability:** Stable under normal temperature and pressure.

**Conditions to Avoid:** Dust generation

**Incompatibility:** Strong oxidizing agents

**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide, nitrogen oxides, sodium oxides

**Hazardous Polymerization:** Has not been reported.

## Toxicological Properties

### Exposure Limits:

Oral LD<sub>50</sub>: No information found.

Inhalation LC<sub>50</sub>: No information found.

Dermal LC<sub>50</sub>: No information found.

**Epidemiology:** No data available.

**Teratogenicity:** No data available.

**Reproductive Effects:** No data available.

**Neurotoxicity:** No data available.

**Mutagenicity:** No data available.

**Carcinogenicity:** Not listed by ACGIH, IARC, NTP or OSHA

## Ecological Information

**Toxicity:** No information found.

## Disposal Considerations

**Waste Disposal:** Burn in chemical incinerator. Observe all Federal, provincial, and local regulations.

## Transportation Information

### Shipping Information:

**US DOT:** Not regulated.

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[www.hoeferinc.com](http://www.hoeferinc.com)

**IMDG:** Not regulated.

**IATA:** Not regulated.

## Regulatory Information

**REACH Title VII Restrictions:** No information available.

### US Federal Regulations:

**Sara 313:** Section 313 of title III of the Superfund Amendments and reauthorizations Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, part 372.

### Canada:

**WHMIS:** Not controlled.

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