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MATERIAL DATA SAFETY SHEET TAE Buffer, 1.6 L Ultra Pure Catalog # 20-195

Material Data Safety Sheet

**PRODUCT
IDENTIFICATION**

PRODUCT: TAE Buffer, 1.6 L Ultra Pure
CATALOG #: 20-195
MANUFACTURER: Apex Bioresearch Products

**PRODUCT
COMPOSITION**

CAS # CHEMICAL NAME
77-86-1 Tris
64-19-7 Glacial Acetic Acid
EDTA 6381-92-6

PHYSICAL DATA

n/a

**HAZARD DATA
AND FIRST AID
MEASURES**

EYE: Contact may cause irritation and slight corneal injury.
SKIN: Contact may cause irritation and/or allergic reaction. Can cause severe burns.
INGESTION: May cause irritation of mouth, throat, esophagus and gastrointestinal tract. Product is strong chelating agent and ingestion of large amounts may cause hypocalcemic tetany with spontaneous recovery. Sodium salts of EDTA have been reported to cause birth defects in animals at very high doses not expected in occupational exposures. Excessive exposure may lead to nausea, vomiting and diarrhea.
INHALATION: Can cause irritation if inhaled, cough, and shortness of breath.

**FIRE HAZARD
DATA**

Non-flammable, wear MSHA/NIOSH approved self-contained breathing apparatus.
Flashpoint: N/A
NFPA RATING: Not published.
Hazardous decomposition products: nitrogen oxides, CO, CO₂

**ACCIDENTAL
RELEASE**

Wear chemical safety goggles and gloves; collect material for disposal with absorbent material. May be disposed of by incineration in an approved device.

**EXPOSURE
CONTROL**

Chemical safety goggles as per 29 CFR 1910.133
Chemical resistant gloves
Avoid contact with eyes, skin and clothing
Wash thoroughly after exposure
Use respiration protection devices that meet OSHA CFR 1910.134 and ANSI Z88.2 specifications.

REACTIVITY

Stability: Stable under ordinary conditions of use and storage
Hazardous Decomposition Products: Carbon Oxides
Hazardous Polymerization: Will not occur
Incompatibilities: Acids, bases oxidizing agents, soluble carbonates and phosphates, hydroxides, sulfur, acid anhydrides, peroxides, permanganates, amines and alcohols. Aluminum reacts with water solutions of product to release hydrogen.

**ENVIRONMENTAL
CONCERNS**

Dispose of in a manner consistent with federal, state and local regulations.
RCRA: No information available. Not listed as a RCRA land disposal banned material.

**HANDLING &
STORAGE**

Store in a cool, dry, well-ventilated area away from incompatible substances.
Avoid eye and skin contact. Wear protective eye-wear, gloves and clothing. Follow directions for use.

**TRANSPORT
INFORMATION**

No specific USDOT, IMO, IATA, RID/ADR or TDG information available. Constituent materials not listed at the concentrations occurring in these products. Please contact Genesee Scientific Corporation for additional transportation information.

REGULATIONS

RCRA – No applicable information. SARA 302 – No applicable information. SARA 313 – This material is not reportable under 313. EPA TSCA Section 8(b) – For Tris and Glacial Acetic Acid: Chemical Inventory. Section 8(d) – For Glacial Acetic Acid: unpublished health/safety studies. Section 8(e) – For Glacial Acetic Acid: Risk Notification, 8EHQ-0892-9237; 8EHQ-0892-9238. Exposure Limits – For Glacial Acetic Acid: ACGIH TLV-STEL: 15 ppm. ACHIGH TLV – TWA: 10 ppm. OSHA PEL (Gen Indu): 8H TWA 10 ppm (25mg/m³). NIOSH REL to Acetic Acid-air: 10H TWA ppm; STEL 15 ppm.

**OTHER
INFORMATION**

The above information is believed correct as of the above date, but does not purport to be all inclusive and shall be used only as a guide. Genesee Scientific Corporation shall not be held liable for any damage resulting from handling or from contact with the above product.