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MATERIAL SAFETY DATA SHEET

TBE Dry Pack

PRODUCT IDENTIFICATION

PRODUCT: Tris/Borate/EDTA Electrophoresis Buffer (10X Dry Pack makes 1 liter of 10X solution.)
PRODUCT # 20-131

PRODUCT COMPOSITION

CAS #	CHEMICAL NAME	CONCENTRATION	%	ENIECS#
77-86-1	Tris (tris-hydroxymethyl-aminomethane)	890 mM	10.8	201-064-4
100043-35-3	Boric Acid (H ₃ BO ₃)	890 mM	5.5	Unlisted
60-00-4	EDTA (ethylenediamine-tetraacetic acid)	20 mM	<1	200-449-4
7732-18-5	Water		83	231-791-2

Physical Data

Powder, white, no odor.
Specific gravity : 2.16 g/cc
pH (Solution) @ 25°C: 8.3 +/- 0.1

HAZARD DATA AND FIRST AID MEASURES

IRRITANT

EYE: irritant, in case of contact rinse thoroughly with water and consult physician.
SKIN: irritant, may cause local dermatitis, in case of contact wash thoroughly with soap & water, do not handle material with bare hands. Avoid all contact with clothing, properly dispose of all contaminated clothing.
INGESTION: toxic, irritant, causes nausea, vomiting. Seek medical aid immediately.
INHALATION: irritant, avoid breathing fumes.

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, dust mask and gloves.

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

Stable at room temperature under normal conditions.
Avoid contact with strong oxidizing agents.

TOXICOLOGY

RTECS: TY2900000/AH4025000
LD50/LC50: UNLISTED.
CARCINOGENICITY: Not listed by ACGIH, IARC, NIOSH. NTP or OSHA. No other data available

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 at room temperature in a UV light resistant container.
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. Contact Genesee Scientific Corp. for additional transportation information:

REGULATIONS

Federal: TCSA: ingredients listed, no ingredients have a SNUR under TCSA. SARA: None of the ingredients have a RQ, None of the ingredients have a TPQ, None of the ingredients are listed under Section 313. CAA: This material does not contain any hazardous air pollutants or Class 1 or Class 2 ozone depleters. OSHA: None of the ingredients in this product are considered highly hazardous by OSHA at this product concentration.
State RTK listings: none.
European: No hazards symbols. Risk: not available.

Status: Accepted

Reviewed By: Brady Chung

Review Date: 7/23/2009

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