
HIGH DESERT BIOSCIENCEMSDS – Product # REA-1003
10X TBE Dry Pack Electrophoresis Buffer
01/03/2025

PRODUCT IDENTIFICATION PRODUCT: Tris/Borate/EDTA Electrophoresis Buffer (10X Dry Pack makes 1 liter of 10X solution.)
PRODUCT # REA-1003
MANUFACTURER: High Desert Bioscience. 520-456-9095 info@highdesertbio.com

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)	10 mM	<1	200-449-4

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.

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 depletors. 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.

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. The information given is to be used as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. High Desert Bioscience Corp. shall not be held liable for any damage resulting from handling or from contact with the above product.
