



SAFETY DATA SHEET (SDS)

20X TBE electrophoresis buffer (RG-1500-02)

SECTION 1 — IDENTIFICATION

Product Name	TBE electrophoresis buffer 20X				
Product Use	Research use only				
Supplier's Name	Amplyus				
Street Address	1770 Massachusetts Avenue				
City	Cambridge	State	Massachusetts	Zip Code	02140
Emergency Telephone Number	Contact local health facility	Date SDS Prepared	11/27/2017	Date SDS Revised	
Chemtec (USA)	800-424-9300	SDS Prepared By	SJK	Fax	888-317-0512

SECTION 2 — HAZARDS IDENTIFICATION

Hazard classification:	Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)				
Hazard statement(s):	Based on available data, the classification criteria are not met				
Precautionary statements (s):	None required				
Hazards not otherwise classified:	None identified				
Other:					

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number	Other
Water	>97%	7732-18-5	
Tris (hydroxymethyl) aminomethane	<1%	77-86-1	
Tris Borate EDTA buffer	<0.6%	610769-35-2	

SECTION 4 — FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if symptoms occur.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.
Ingestion	Do not induce vomiting. Get medical attention if symptoms occur.
Possible Symptoms	No information available.
Immediate Care	Treat symptomatically.
Special Treatment Needed	No information available

SECTION 5 — FIRE-FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	N/A
Means of Extinction	Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.		
Hazardous Combustion Products	Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Carbon monoxide (CO) Carbon dioxide (CO2)		
Protective equipment and precautions for firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and fullprotective gear.		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin,eyes and clothing. Avoid release to the environment.
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SECTION 7 — HANDLING AND STORAGE

Handling Procedures Equipment	Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin,eyes and clothing. Avoid ingestion and inhalation.
Storage Requirements	Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input checked="" type="checkbox"/> Other (Specify) This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Specific Engineering Controls (such as ventilation, enclosed process)	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stationsand safety showers are close to the workstation location.
Personal Protective Measures	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Personal Protective Equipment	Wear appropriate protective gloves and clothing to prevent skin exposure.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Appearance	Odor Threshold (ppm)
Liquid	Colorless	No information available
Odor	Solubility	Partition coefficient
Slight	Soluble in water	No data available
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
No data available	<1.0	No information available
Autoignition Temp (° C)	Melting Point (° C)	Flash Point (° C)
No information available	No information available	No information available
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
No information available	No information available	No information available
pH	Relative Density	Viscosity
8.2-8.4 at 25 C	No information available	No information available

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? Stable under normal conditions.
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong acids, Strong bases

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	No acute toxicity information is available for this product	
Effects of chronic exposure	No information available	
Sensitization	No information available	
LD50	No information available	
Carcinogenicity, reproductive toxicity	Not listed	
Other		

SECTION 12 — ECOLOGICAL INFORMATION

Do not empty into drains.

SECTION 13 — DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 — TRANSPORT INFORMATION

Not regulated

SECTION 15 — REGULATORY INFORMATION

Not applicable

SECTION 16 — OTHER INFORMATION

Disclaimer: The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only 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. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. End of SDS.