



**Latest revision date:** September 2020

**Revision:** 1

**SDS prepared by:** Amplyus

## SECTION 1 — IDENTIFICATION

**Product name:** Electrophoresis Forensics Lab

**Catalog or product number:** KT-1504-01

**Product use:** This product is for education and research use only

**Supplier:**

Amplyus LLC

1770 Massachusetts Avenue, Suite 167

Cambridge, MA 02140

Phone: 1-781-990-8727

Fax: 888-317-0512

**CHEMTREC Emergency Telephone Number:** 1-800-262-8200

## SECTION 2 — HAZARDS IDENTIFICATION

**Hazard class:** Not a dangerous substance or mixture according to the Global Harmonized System (GHS)

**Hazard statement(s):** Product contains No substances which at their given concentration, are considered to be hazardous to health.

**Precautionary statement(s):** Use personal protective equipment as required; do not eat, drink, or smoke when using this product; wash hands thoroughly after handling.

**Hazards not otherwise classified:** N/A

## SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Composition	CAS Number
Tris-HCL	1.5 mM	1185-53-1
Bromophenol blue	0.005%	34725-61-6
Glycerol	10%	56-81-5
EDTA (Ethylenediaminetetraacetic acid)	10 mM	60-00-4
DNA fragments		

## SECTION 4 — FIRST AID MEASURES

**General information:** No special measures required

**Eye contact:** Flush opened eye immediately with plenty of water. If irritation persists, get medical attention.

**Skin contact:** Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.

**Inhalation:** Move to fresh air. If breathing becomes difficult, call a physician.

**Ingestion:** Rinse mouth with water. Seek medical attention and appropriate follow-up.

## SECTION 5 — FIRE-FIGHTING MEASURES

**Conditions of flammability:** Not flammable

**Suitable extinguishing media:** Dry chemical, CO<sub>2</sub>, water spray, or alcohol resistant foam

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus for fire-fighting if necessary

**Hazardous combustion products:** N/A

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Prevent skin/eye contact. Wear personal protective equipment as needed.

**Environmental precautions:** No special measures required.

**Methods and materials for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

## SECTION 7 — HANDLING AND STORAGE

**Precautions for safe handling:** No special measures required.

**Conditions for safe storage:** No special measures required. Store at -20°C

**Incompatible products:** N/A

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

**Engineering controls:** Not required. General room ventilation is adequate for use of this product

**Personal protective measures:** Wash hands thoroughly after handling. Do not eat, drink or smoke when handling this product.

**Personal protective equipment:**

- **Skin protection:** protective gloves, appropriate protective clothing
- **Eye protection:** safety glasses

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**Form:** solution

**Color:** blue

**Odor:** No data available

**Odor threshold:** No data available

**pH:** ~7.6

**Melting point/freezing point:** No data available

**Boiling point:** No data available

**Flash point:** No data available

**Evaporation rate:** f No data available

**Ignition temperature:** No data available

**Autoignition temperature:** No data available

**Lower explosion limit:** No data available

**Upper explosion limit:** No data available

**Vapor pressure:** No data available

**Vapor density:** No data available

**Relative density (water = 1):** No data available

**Water solubility:** No data available

**Partition coefficient (n-octanol/water):** No data available

**Viscosity:** No data available

## SECTION 10 — STABILITY AND REACTIVITY

**Chemical stability:** Stable under recommended storage conditions

**Incompatible materials to avoid:** Strong acids or bases, strong oxidizers

**Hazardous decomposition products:** N/A

## SECTION 11 — TOXICOLOGICAL INFORMATION

**Effects of acute exposure:** May cause skin irritation, may cause eye irritation, may irritate mucous membranes and upper respiratory tract

**LD/LC50 values:** No data available

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Reproductive toxicity:** No data available

**Teratogenicity:** No data available

**Carcinogenicity:** No components of this product are listed by IARC, NTP, or OSHA

## SECTION 12 — ECOLOGICAL INFORMATION

**Toxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**PBT assessment:** No data available

**vPvB assessment:** No data available

**Other adverse effects:** None known

## SECTION 13 — DISPOSAL CONSIDERATIONS

**Product:** Dispose of waste in accordance with applicable national, regional, or local regulations. Do not allow product to reach ground water, water course, or sewage system

**Contaminated packaging:** Dispose of packaging in accordance with applicable national, regional, or local regulations

## SECTION 14 — TRANSPORT INFORMATION

This substance is considered to be non-hazardous for transport

## SECTION 15 — REGULATORY INFORMATION

**SARA 302/304 (40CFR355.30/40CFR355.40):** This material does not contain any components with a section 302 EHS TPQ or a section 304 EHS RQ

**SARA 313:** Substance not listed

**SARA 311/312:** No SARA hazards

**California Proposition 65:** Substance not listed

**Massachusetts right to know:** Substance not listed

## SECTION 16 — OTHER INFORMATION