

# Material Safety Data Sheet

## 0.5X KBB Electrophoresis Buffer

Version: 1  
Creation Date: 3/20/18  
Revision Date: 3/20/18

### Section 1. Product and Company Information

Product Name: 0.5X KBB Electrophoresis buffer  
Product Number: **190039**  
Product Details: 1 ea. Tris-TAPS Electrophoresis buffer solution, 0.5X, 60 ml bottle.

Company: Sage Science, Inc.  
Suite 2400  
500 Cummings Center  
Beverly, MA 01915  
USA

Telephone: 978.922.1832  
Fax: 617.812.0540  
Emergency Phone: 978.922.1832

### Section 2. Composition, Information on Ingredients

Solution containing the following components:

Electrophoresis Buffer Solution

CAS-No.	EC-No.	Chemical Name	Concentration
77-86-1	201-064-4	Tris (hydroxymethyl) aminomethane	<1%
29915-38-6	249-954-1	3-(Tris(hydroxymethyl) methylamino) propane-1-sulphonic acid (TAPS)	<1%
60-00-4	200-449-4	Ethylenediaminetetraacetic acid (EDTA)	<1%
7732-18-5	231-791-2	Water	>90%

**Section 3. Hazards Identification****Emergency Overview**

Appearance: Clear Liquid

**Potential Acute Health Effects:** Not available

**Potential Chronic Health Effects:** Not available

**Section 4. First Aid Measures**

**Skin:** Wash with soap rinse with plenty of water.  
**Eyes:** Flush eyes with water as a precaution  
**Ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**Section 5. Fire-Fighting Measures**

No information available.

**Section 6. Accidental Release Measures****Personal precautions**

No information available.

**Environmental precautions**

No information available.

**Section 7. Handling and Storage****Handling**

Wash thoroughly after handling

## Section 8. Exposure Controls/Personal Protection

Contains no substance with occupational exposure limit values.  
Facilities using this substance should be equipped with an eye-wash station.

### Personal protective equipment

**Respiratory protection:** Respiratory protection is not required.

**Hand protection:** Handle with gloves.

**Eye protection:** Use safety glasses with side-shield conforming to OSHA 29 CFR 1910.133 and European Standard EN-166

**Clothing:** Wear appropriate clothing to prevent skin exposure.

## Section 9. Physical and Chemical Properties

**Physical State:** Liquid  
**Appearance:** Clear  
**Odor:** None  
**pH:** No data available  
**Melting point:** No data available  
**Boiling point:** No data available  
**Flash point:** No data available  
**Ignition temperature:** No data available  
**Lower explosion limit:** No data available  
**Upper explosion limit:** No data available

## Section 10. Stability and Reactivity

### Storage Stability

Stable under recommended storage conditions.

### Materials to avoid

No information available.

### Hazardous decompositions products

No information available.

## Section 11. Toxicological Information

**Epidemiology:** No information found

**Teratogenicity:** No information found

**Reproductive Effects:** No information found

**Mutagenicity:** No information found

**Neurotoxicity:** No information found

**Section 12. Ecological Information**

No information available.

**Section 13. Disposal Considerations****Product**

Observe all federal, stated, and local environmental regulations.

**Contaminated packaging**

Dispose of as unused product.

**Section 14. Transport Information****DOT (US)**

Not dangerous goods.

**IMDG**

Not dangerous goods.

**IATA**

Not dangerous goods.

**Section 15. Regulatory Information****US Federal****OSHA**

Irritant. Not considered highly hazardous.

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that are reportable under SARA Title III, Section 313.

**US State**

Materials are not present on state lists from CA, PA, MN, MA, FL, or NJ.

**California Prop 65**

California No Significant Risk Level: None of the chemicals in this product are listed.

**TSCA**

This product does not contain components listed on the TSCA inventory.

**Health & Safety Reporting List**

None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

**CERCLA Hazardous Substances and corresponding RQs**

None of the chemicals in this material have an RQ.

**Clean Air Act**

This material does not contain any hazardous air pollutants or Ozone depleters.

**Clean Water Act**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**Canada****DSL Status**

This product does not contain components that are on the Canadian DSL or NDSL lists.

**European/International Regulations****European Labeling in Accordance with EC Directives****Hazard Symbols:****Risk Phrases**

R 68 Possible risk of irreversible effects.

**Safety Phrases**

S 24/25 Avoid contact with skin and eyes.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28A After contact with skin, wash immediately with plenty of water

**Section 16. Other Information**

This information in this document is believed to be correct and current at the date of its authorship or revision. The information does not imply guarantee or warranty but should be used as a guide only. Users of this product should conduct their own investigations into safety precautions and local disposal requirements. Sage Science Inc., shall not be held liable for and damage from handling on contact with the product.