

This SDS complies with the US OSHA HCS 2012.

1. Product and Company Identification

Product Code: X006044
Product Name: Leuco Buffer
Company Name: CalibreScientific US, Inc. **Phone Number:** 1 (360)260-2779
 1311 SE Cardinal Ct Suite 170
 Vancouver, WA 98683
Web site address: Alphatecsystems.com
Email address: Regulatory@calibrescientific.com
Emergency Contact: INFOTRAC 00-1- (352)323-3500
 International 1 (800)535-5053
Information: North America
Intended Use: For Laboratory Use Only

Product List

2. Hazards Identification

GHS Signal Word: None
GHS Hazard Phrases:
GHS Precautionary Phrases:
GHS Response Phrases:
GHS Storage and Disposal Phrases:

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7732-18-5	Water	>=90.0 %
77-86-1	Tris(hydroxymethyl)aminomethane {Tromethane}	~ 6.0 %
7647-01-0	Hydrochloric acid {Hydrogen chloride}	~ 3.2 %

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Skin Contact: Wash with plenty of soap and water.

In Case of Ingestion: Wash mouth out with water.

5. Fire Fighting Measures

Flash Point:

Explosive Limits: LEL: UEL:

Autoignition Pt:

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Fire Fighting Instructions:

Flammable Properties and

Hazards:

Hazardous Combustion Products: Carbon oxides. Nitrogen oxides.

Products:

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Wash area with soap and water.

7. Handling and Storage

Precautions To Be Taken in Handling: Good laboratory practices, safety procedures, and normal precautions in handling and storage of all products are recommended to provide adequate protection to the skilled laboratory professional.

Precautions To Be Taken in Storing: Store at 2 - 8°C.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7732-18-5	Water			
77-86-1	Tris(hydroxymethyl)aminomethane {Tromethane}	TWA: 5 mg/m3		
7647-01-0	Hydrochloric acid {Hydrogen chloride}	CEIL: 5 ppm		

Respiratory Equipment (Specify Type): Good laboratory practices should be followed which includes preventing eye contact and minimizing skin contact and inhalation.

Eye Protection:

Protective Gloves:

Other Protective Clothing:

Engineering Controls (Ventilation etc.):

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Appearance: colorless.
Odor: Odorless.

pH:

Melting Point:

Boiling Point: / 0.0 mm Hg

Flash Point:

Evaporation Rate:

Flammability (solid, gas):

Explosive Limits: LEL: UEL:

Vapor Pressure:

Vapor Density (vs. Air=1):

Specific Gravity (Water=1):

Solubility in Water:

Saturated Vapor Concentration:

Octanol/Water Partition Coefficient:

Autoignition Pt:

Decomposition

Temperature:

Viscosity:

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid -

Instability:

Incompatibility - Materials To

Avoid:

Hazardous Decomposition or

Byproducts:

Possibility of Hazardous Will occur [] Will not occur [X]

Reactions:

Conditions To Avoid -

Hazardous Reactions:

11. Toxicological Information

Toxicological Information:

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

13. Disposal Considerations

Waste Disposal Method: Dispose of product in accordance with all federal, state, and local regulations.

14. Transport Information

GHS Classification: No GHS classifications apply.

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: N/A.

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: N/A.

UN Number:

Hazard Class:

TDG Classification:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7732-18-5	Water	No	No	No
77-86-1	Tris(hydroxymethyl)aminomethane {Tromethane}	No	No	Yes-Cat. N106
7647-01-0	Hydrochloric acid {Hydrogen chloride}	Yes 500 LB	Yes NA	Yes

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7732-18-5	Water	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No
77-86-1	Tris(hydroxymethyl)aminomethane {Tromethane}	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: Yes - Cat.; PA HSL: No
7647-01-0	Hydrochloric acid {Hydrogen chloride}	CA PROP.65: No; MA Oil/HazMat: Yes; NJ EHS: Yes - 1012; PA HSL: Yes - E

16. Other Information

Revision Date: 02/21/2025 **Previous revision:** 03/19/2024
Preparer Name: AFrontella

Additional Information About This Product:

Document & Change Control Number SDS0299.B.

Company Policy or Disclaimer:

Disclaimer
 The information provided in 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.