

This SDS complies with the US OSHA HCS 2012.

1. Product and Company Identification

Product Code: 0003526

Product Name: Methylene Blue Counterstain

Company Name: CalibreScientific US, Inc. **Phone Number:** 1 (360)260-2779
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Intended Use: For Laboratory Use: Biological Staining

Product List Methylene Blue Counterstain, Product Codes: 0003526C, 0003526S, 0003566.

2. Hazards Identification

GHS Signal Word: **None**

GHS Hazard Phrases: No phrases apply.

GHS Precautionary Phrases: No phrases apply.

GHS Response Phrases: No phrases apply.

GHS Storage and Disposal Phrases: No phrases apply.

Potential Health Effects (Acute and Chronic): No information available.

Inhalation: May be harmful if inhaled.

Skin Contact: May cause skin irritation.

Eye Contact: May cause slight eye irritation.

Ingestion: May be harmful if swallowed.

Medical Conditions Generally Aggravated By Exposure: Consult a physician.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7220-79-3	Methylene blue trihydrate {C.I. Basic Blue 9, trihydrate}	1040. -3040. PPM

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

In Case of Skin Contact: Get medical aid if irritation develops or persists. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In Case of Ingestion: Get medical aid. Do not induce vomiting unless directed to do so by medical personnel.

Signs and Symptoms Of Exposure: No data available.

5. Fire Fighting Measures

Flash Point: NP Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: NP

Suitable Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Fire Fighting Instructions: Substance is noncombustible.

Flammable Properties and Hazards: No data available.

Hazardous Combustion Products: No data available.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Wear chemical splash goggles. Wear appropriate protective gloves and clothing to prevent skin exposure.

Steps To Be Taken In Case Material Is Released Or Spilled: Ventilate the area. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

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. Store in a cool dry place. Do not get in eyes, on skin, or on clothing.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7220-79-3	Methylene blue trihydrate {C.I. Basic Blue 9, trihydrate}	No data.	No data.	No data.

Recommended Exposure Limits: Not available.

Respiratory Equipment (Specify Type):	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.
Eye Protection:	Wear chemical splash goggles.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Use with adequate ventilation.
Work/Hygienic/Maintenance Practices:	General industrial hygiene practice. Use caution when handling glass to avoid breakage and injury. Wash thoroughly after handling.
Environmental Exposure Controls:	To be performed in compliance with all current, local, regional and country regulations.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	Blue. Odorless.	
pH:	No data.	
Melting Point:	NA	
Boiling Point:	100.00 C / 0.0 mm Hg	
Flash Point:	NP Estimate	
Evaporation Rate:	No data.	
Flammability (solid, gas):	No data available.	
Explosive Limits:	LEL: No data.	UEL: No data.
Vapor Pressure:	No data.	
Vapor Density (vs. Air=1):	No data.	
Specific Gravity (Water=1):	1.000	
Solubility in Water:	No data.	
Saturated Vapor Concentration:	No data.	
Octanol/Water Partition Coefficient:	No data.	
Autoignition Pt:	NP	
Decomposition Temperature:	No data.	
Viscosity:	No data.	

10. Stability and Reactivity

Reactivity: None reported.
Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: None reported.
Incompatibility - Materials To Avoid: No information found.
Hazardous Decomposition or Byproducts: No data available.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: Product will not undergo polymerization.

11. Toxicological Information

Toxicological Information: No information available.
Irritation or Corrosion: No information available.
Symptoms related to Toxicological Characteristics: No information available.
Chronic Toxicological Effects: No information available.
Carcinogenicity: NTP? Unknown IARC Monographs? Unknown OSHA Regulated? Unknown

12. Ecological Information

General Ecological Information: Unknown Effect.

13. Disposal Considerations

Waste Disposal Method: Dispose of product in accordance with all federal, state, and local regulations. Use personal protective equipment as required.

14. Transport Information

GHS Classification: No GHS classifications apply.
LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: Not regulated as a hazardous material.
DOT Hazard Class:
UN/NA Number:
LAND TRANSPORT (Canadian TDG):
TDG Shipping Name: Not regulated as a hazardous material.
UN Number:
Hazard Class: **TDG Classification:**

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not regulated as a hazardous material.

UN Number:

Hazard Class:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not regulated as a hazardous material.

UN Number:

Packing Group:

Hazard Class:

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)
7220-79-3	Methylene blue trihydrate {C.I. Basic Blue 9, trihydrate}	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7220-79-3	Methylene blue trihydrate {C.I. Basic Blue 9, trihydrate}	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No

16. Other Information

Revision Date: 02/28/2025 **Previous revision:** 06/09/2023

Preparer Name: A. Frontella

Additional Information About This Product: No data available.

Document & Change Control Number SDS0086.I.

Company Policy or Disclaimer: Disclaimer

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