

This SDS complies with the US OSHA HCS 2012.

1. Product and Company Identification

Product Code: X006048
Product Name: Peroxidase
Company Name: CalibreScientific US, Inc.
1311 SE Cardinal Ct Suite 170
Vancouver, WA 98683
Phone Number: 1 (360)260-2779
Web site address: Alphatecsystems.com
Email address: Regulatory@calibrescientific.com
Emergency Contact: INFOTRAC
International 00-1- (352)323-3500
Information: North America 1 (800)535-5053
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	45.0 -50.0 %
7783-20-2	Ammonium sulfate {Sulfuric acid, diammonium salt}	50.0 -55.0 %
9003-99-0	Peroxidase	~ 1.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Skin Contact: Wash with plenty of soap and water.
In Case of Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
In Case of Ingestion: If victim is fully conscious, give a cupful of water.

5. Fire Fighting Measures

Flash Point:

Explosive Limits:

LEL:

UEL:

Autoignition Pt:

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

Fire Fighting Instructions:

Flammable Properties and

Hazards:

Hazardous Combustion

Sulphur oxides, nitrogen oxides (NOx).

Products:

6. Accidental Release Measures

Environmental Precautions: Do not empty into drains.

**Steps To Be Taken In Case
Material Is Released Or
Spilled:**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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			
7783-20-2	Ammonium sulfate {Sulfuric acid, diammonium salt}			
9003-99-0	Peroxidase			
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 ☒ 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****General Ecological Information:** Harmful to aquatic life.**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
7783-20-2	Ammonium sulfate {Sulfuric acid, diammonium salt}	No	No	No
9003-99-0	Peroxidase	No	No	No

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
7783-20-2	Ammonium sulfate {Sulfuric acid, diammonium salt}	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: Yes - E
9003-99-0	Peroxidase	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No

16. Other Information

Revision Date: 02/28/2025 **Previous revision:** 03/19/2024

Preparer Name: AFrontella

Additional Information About

This Product:

Document & Change Control SDS0301.B.

Number

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.