

This SDS complies with the US OSHA HCS 2012.

1. Product and Company Identification

Product Code: 0003536C
Product Name: Thiazine Red Counterstain
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
 International 00-1- (352)323-3500
Information: North America 1 (800)535-5053
Intended Use: For Laboratory Use Only
Product List Thiazine Red Counterstain, Product Code Also Applies To: 0003536, 0003569.

2. Hazards Identification

Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2
Germ Cell Mutagenicity, Category 2
Specific Target Organ Toxicity (repeated exposure), Category 2



GHS Signal Word: **Warning**
GHS Hazard Phrases: H315 - Causes skin irritation.
 H319 - Causes serious eye irritation.
 H341 - Suspected of causing genetic defects.
 H373 - May cause damage to through prolonged or repeated exposure.
GHS Precautionary Phrases: P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 - Wash hands thoroughly after handling.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases: P302+352 - IF ON SKIN: Wash with plenty of soap and water.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+313 - IF exposed or concerned: Get medical attention/advice.
 P314 - Get medical attention/advice if you feel unwell.
 P332+313 - If skin irritation occurs, get medical advice/attention.
 P337+313 - If eye irritation persists, get medical advice/attention.
 P362+364 - Take off contaminated clothing and wash it before reuse.
GHS Storage and Disposal Phrases: P405 - Store locked up.
 P501 - Dispose of contents/container to safe area according to state and local guidelines.

Inhalation:	The toxicological properties of this substance have not been fully investigated.
Skin Contact:	May cause skin irritation.
Eye Contact:	May cause eye irritation.
Ingestion:	May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
108-95-2	Phenol {Carbolic acid; Hydroxybenzene}	0.794 -1.794 %
2150-33-6	disodium 2-[4-[(1-hydroxy-4-sulphonato-2-naphthyl)azo]phe nyl]-6-methylbenzothiazole-7-sulphonate	108.0 -1080. PPM
7791-18-6	Magnesium chloride (hydrated)	41.8 -418.5 PPM
7732-18-5	Water	No Data.

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
In Case of Ingestion:	Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
Note to Physician:	Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Point:	174.20 C Method Used: Estimate
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	715.00 C
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Flammable Properties and Hazards:	No data available.
Hazardous Combustion Products:	No data available.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

7. Handling and Storage

Precautions To Be Taken in Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Precautions To Be Taken in Storing: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
108-95-2	Phenol {Carbolic acid; Hydroxybenzene}	PEL: 5 ppm	TLV: 5 ppm	No data.
2150-33-6	disodium 2-[4-[(1-hydroxy-4-sulphonato-2-naphthyl)azo]phenyl]-6-methylbenzothiazole-7-sulphonate	No data.	No data.	No data.
7791-18-6	Magnesium chloride (hydrated)	No data.	No data.	No data.
7732-18-5	Water	No data.	No data.	No data.

Respiratory Equipment (Specify Type): A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

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.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

9. Physical and Chemical Properties

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

Appearance and Odor: Red. phenol-like.

pH: No data.

Melting Point: 40.00 C - 42.00 C

Boiling Point: 100.00 C / 0.0 mm Hg

Flash Point: 174.20 C 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): No data.

Density:	~ 1.071 G/CM3
Solubility in Water:	No data.
Saturated Vapor Concentration:	No data.
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	715.00 C
Decomposition Temperature:	No data.
Viscosity:	No data.

10. Stability and Reactivity

Stability:	Unstable [<input type="checkbox"/>] Stable [<input checked="" type="checkbox"/>]
Conditions To Avoid - Instability:	Incompatible materials, Strong oxidants.
Incompatibility - Materials To Avoid:	Oxidizing agents.
Hazardous Decomposition or Byproducts:	Nitrogen oxides, Carbon monoxide, irritating and toxic fumes and gases, Carbon dioxide.
Possibility of Hazardous Reactions:	Will occur [<input type="checkbox"/>] Will not occur [<input checked="" type="checkbox"/>]
Conditions To Avoid - Hazardous Reactions:	No data available.

11. Toxicological Information

Toxicological Information:	Epidemiology: No information found. Teratogenicity: No information available. Reproductive Effects: Mutagenicity: Neurotoxicity:
Carcinogenicity/Other Information:	CAS# 77-49-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

	No data available.
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13. Disposal Considerations

Waste Disposal Method:	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed.
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14. Transport Information

GHS Classification:	Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation Serious Eye Damage/Eye Irritation, Category 2 - Warning! Causes serious eye irritation
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Germ Cell Mutagenicity, Category 2 - Warning! Suspected of causing genetic defects
Specific Target Organ Toxicity (repeated exposure), Category 2 - Warning! May cause damage to {<target organs>} through prolonged or repeated exposure

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)
108-95-2	Phenol {Carbolic acid; Hydroxybenzene}	Yes 500 LB	Yes NA	Yes
2150-33-6	disodium 2-[4-[(1-hydroxy-4-sulphonato-2-naphthyl)azo]phenyl]-6-methylbenzothiazole-7-sulphonate	No	No	No
7791-18-6	Magnesium chloride (hydrated)	No	No	No
7732-18-5	Water	No	No	No

Other US EPA or State Lists

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
108-95-2	Phenol {Carbolic acid; Hydroxybenzene}	CA PROP.65: No; MA Oil/HazMat: Yes; NJ EHS: Yes - 1487; PA HSL: Yes - E
2150-33-6	disodium 2-[4-[(1-hydroxy-4-sulphonato-2-naphthyl)azo]phenyl]-6-methylbenzothiazole-7-sulphonate	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No
7791-18-6	Magnesium chloride (hydrated)	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No
7732-18-5	Water	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No

16. Other Information

Revision Date: 03/21/2025 **Previous revision:** 06/15/2020

Preparer Name: A. Frontella

Additional Information About This Product: No data available.

Document & Change Control Number SDS0189.E.

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.