

This SDS complies with the US OSHA HCS 2012.

1. Product and Company Identification

Product Code: 0003527
Product Name: Auramine O Fluorescent Stain
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: Biological Staining
Product List Auramine O Fluorescent Stain, Product Code Also Applies to 0003527C, 0003527S, 0003568, 0003569.

2. Hazards Identification

Flammable Liquids, Category 2
Acute Toxicity: Inhalation, Category 4
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2
Germ Cell Mutagenicity, Category 2
Carcinogenicity, Category 2
Specific Target Organ Toxicity (repeated exposure), Category 2



GHS Signal Word: **Danger**

GHS Hazard Phrases: H225 - Highly flammable liquid and vapor.
 H315 - Causes skin irritation.
 H319 - Causes serious eye irritation.
 H332 - Harmful if inhaled.
 H341 - Suspected of causing genetic defects.
 H351 - Suspected of causing cancer .
 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.
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P233 - Keep container tightly closed.
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 - Wash hands thoroughly after handling.
 P271 - Use only outdoors or in a well-ventilated area.
 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.
 P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

	<p>P308+313 - IF exposed or concerned: Get medical attention/advice. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. 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.</p>
GHS Storage and Disposal Phrases:	<p>P405 - Store locked up. P501 - Dispose of contents/container to safe area according to state and local guidelines.</p>
Inhalation:	<p>Causes respiratory tract irritation. May be harmful if inhaled. The toxicological properties of this substance have not been fully investigated.</p>
Skin Contact:	<p>May cause skin irritation.</p>
Eye Contact:	<p>May cause eye irritation.</p>
Ingestion:	<p>Harmful if swallowed. May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.</p>

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
64-17-5	Ethyl alcohol {Ethanol}	1.0 -10.0 %
108-95-2	Phenol {Carbolic acid; Hydroxybenzene}	0.3 -3.0 %
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	0.0 -0.5 %
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	0.0 -0.5 %
7732-18-5	Water	0.0 -90.0 %
2465-27-2	Auramine O {C.I. 41000; Basic Yellow} (manufacture)	100.0 -1000. PPM

4. First Aid Measures

Emergency and First Aid Procedures:	
In Case of Inhalation:	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. 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:	Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person.
Note to Physician:	Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Point:	No data.	
Explosive Limits:	LEL: No data.	UEL: No data.
Autoignition Pt:	No data.	
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: Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.
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7. Handling and Storage

Precautions To Be Taken in Handling:	Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.
Precautions To Be Taken in Storing:	Store in a cool, dry place. 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
64-17-5	Ethyl alcohol {Ethanol}	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.
108-95-2	Phenol {Carbolic acid; Hydroxybenzene}	PEL: 5 ppm	TLV: 5 ppm	No data.
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	PEL: 1000 ppm	TLV: 1000 ppm STEL: 1000 ppm	No data.
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	PEL: 200 ppm	TLV: 200 ppm STEL: 250 ppm	No data.
7732-18-5	Water	No data.	No data.	No data.
2465-27-2	Auramine O {C.I. 41000; Basic Yellow} (manufacture)	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:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
Appearance and Odor:	Yellowish. phenol-like.
pH:	No data.
Melting Point:	No data.
Boiling Point:	No data. / 0.0 mm Hg
Flash Point:	No data.
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:	~ 0.8556 G/CM3
Solubility in Water:	No data.
Saturated Vapor Concentration:	No data.
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	No data.
Decomposition Temperature:	No data.
Viscosity:	No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Incompatible materials, dust generation, Strong oxidants.

Incompatibility - Materials To Avoid: Strong oxidizing agents.

Hazardous Decomposition or Byproducts: Carbon monoxide, Nitrogen oxides, irritating and toxic fumes and gases, Carbon dioxide.

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

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: Other Studies:

Carcinogenicity/Other Information: CAS# 1521-38-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65. 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

General Ecological Information: Environmental: No information available.
Physical: No information available.
Other: Do not empty into drains.

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.

14. Transport Information

GHS Classification: Flammable Liquids, Category 2 - Danger! Highly flammable liquid and vapor
Acute Toxicity: Inhalation, Category 4 - Warning! Harmful if inhaled
Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation
Serious Eye Damage/Eye Irritation, Category 2 - Warning! Causes serious eye irritation
Germ Cell Mutagenicity, Category 2 - Warning! Suspected of causing genetic defects
Carcinogenicity, Category 2 - Warning! Suspected of causing cancer
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: Flammable liquids, corrosive, n.o.s. (Ethanol, Phenol)
DOT Hazard Class: 3 FLAMMABLE LIQUID, CORROSIVE
UN/NA Number: UN2924 **Packing Group:** III



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Flammable liquids, corrosive, n.o.s. (Ethanol, Phenol)
UN Number: UN2924 **Packing Group:** III
Hazard Class: 3 (8) - FLAMMABLE LIQUID, CORROSIVE **TDG Classification:**

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Flammable liquids, corrosive, n.o.s. (Ethanol, Phenol)
UN Number: UN2924 **Packing Group:** III
Hazard Class: 3 (8) - FLAMMABLE LIQUID, CORROSIVE

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Flammable liquids, corrosive, n.o.s. (Ethanol, Phenol)
UN Number: UN2924 **Packing Group:** III
Hazard Class: 3 (8) - FLAMMABLE LIQUID, CORROSIVE

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)
64-17-5	Ethyl alcohol {Ethanol}	No	No	No
108-95-2	Phenol {Carbolic acid; Hydroxybenzene}	Yes 500 LB	Yes NA	Yes
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	No	Yes NA	Yes
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	No	No	Yes
7732-18-5	Water	No	No	No
2465-27-2	Auramine O {C.I. 41000; Basic Yellow} (manufacture)	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
64-17-5	Ethyl alcohol {Ethanol}	CA PROP.65: No; MA Oil/HazMat: Yes; NJ EHS: No; PA HSL: Yes - 1
108-95-2	Phenol {Carbolic acid; Hydroxybenzene}	CA PROP.65: No; MA Oil/HazMat: Yes; NJ EHS: Yes - 1487; PA HSL: Yes - E
67-56-1	Methanol {Methyl alcohol; Carbinol; Wood alcohol}	CA PROP.65: Yes: RDTox.; MA Oil/HazMat: Yes; NJ EHS: Yes - 1222; PA HSL: Yes - E
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: Yes - 1076; PA HSL: Yes - E
7732-18-5	Water	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No
2465-27-2	Auramine O {C.I. 41000; Basic Yellow} (manufacture)	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: Yes - B

16. Other Information

Revision Date: 03/07/2025 **Previous revision:** 06/15/2020

Preparer Name: A. Frontella

Additional Information About This Product: No data available.

Document & Change Control Number SDS0159.H.

Company Policy or Disclaimer: Disclaimer

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