



## Material Safety Data Sheet Disodium Bathocuproine

### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Disodium Bathocuproine

**Catalog Numbers:**

LC13684

**Synonyms:****Company Identification:**

LabChem Inc  
200 William Pitt Way  
Pittsburgh, PA 15238

**Company Phone Number:**

(412) 826-5230

**Emergency Phone Number:**

(800) 424-9300

**CHEMTREC Phone Number:**

(800) 424-9300

### Section 2 – Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
52698-84-7	Disodium bathocuproine	100

### Section 3 - Hazards Identification

#### Emergency Overview

**Appearance:** *Light tan powder***Caution.** Causes irritation to eyes, skin, and respiratory system.**Target Organs:** *Eyes, nerves.***Potential Health Effects****Eye:**

Causes eye irritation.

**Skin:**

Causes skin irritation. May discolor the skin.

**Ingestion:**

Harmful if swallowed. May cause convulsions, gastrointestinal disturbances, and have a narcotic effect. May cause damage to the liver, kidneys, and heart. The toxicological properties of this substance have not been fully investigated.

**Inhalation:**

Causes respiratory tract and mucous membrane irritation.

**Chronic:**

Repeated or prolonged exposure is not known to aggravate any existing medical condition.



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### Section 4 - First Aid Measures

**Eyes:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:**

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:**

Call a poison control center. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

**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.

**Notes to Physician:**

Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

**General Information:**

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.

**Extinguishing Media:**

Use water spray, carbon dioxide, dry chemical, or appropriate foam.

**Autoignition Temperature:**

Not available

**Flash Point:**

Not available

**NFPA Rating:**

Not available

**Explosion Limits:**

Lower: n/a      Upper: n/a

### Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Sweep up, place in a bag, and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.



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### Section 7 - Handling and Storage

**Handling:**

Do not breathe dust. Do not get in eyes, on skin, or on clothing. Avoid prolonged or repeated exposure.

**Storage:**

Keep tightly closed. Store in a cool, dry place.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

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.

**Exposure Limits:**

Chemical Name:	ACGIH	NIOSH	OSHA
Disodium bathocuproine	None listed	None listed	None listed

**OSHA Vacated PELs:**

None listed.

### Personal Protective Equipment

**Eyes:**

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.

**Skin:**

Wear appropriate gloves to prevent skin exposure.

**Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### Section 9 - Physical and Chemical Properties

<b>Physical State:</b>	Solid
<b>Color:</b>	Light tan
<b>Odor:</b>	Odorless
<b>pH:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Vapor Density:</b>	Not available
<b>Evaporation Rate:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Freezing/Melting Point:</b>	Not available
<b>Decomposition Temperature:</b>	>300°C (572°F)
<b>Solubility in water:</b>	Soluble
<b>Specific Gravity/Density:</b>	Not available



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**Molecular Formula:** C<sub>26</sub>H<sub>18</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>6</sub>S<sub>2</sub>  
**Molecular Weight:** 564.6

### Section 10 - Stability and Reactivity

**Chemical Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Excess heat, incompatible materials, dust generation.

**Incompatibilities with Other Materials:**

Strong oxidizing agents.

**Hazardous Decomposition Products:**

Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides.

**Hazardous Polymerization:**

Has not been reported.

### Section 11 - Toxicological Information

**RTECS:**

CAS# 52698-84-7: Not available.

**LD50/LC50:**

CAS# 52698-84-7: Not available.

**Carcinogenicity:**

CAS# 52698-84-7: Not listed by ACGIH, IARC, NTP, or California Proposition 65.

**Epidemiology:**

Material is irritating to eyes, skin, mucous membranes, and upper respiratory tract. May cause convulsions, and damage to heart, liver and kidneys if swallowed.

**Teratogenicity:**

No information found

**Reproductive:**

No information found

**Mutagenicity:**

No information found

**Neurotoxicity:**

Exposure may have a narcotic effect or cause convulsions.

### Section 12 - Ecological Information

No information found

### Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.



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### Section 14 - Transport Information

#### US DOT

**Shipping Name:** Not regulated  
**Hazard Class:**  
**UN Number:**  
**Packing Group:**

### Section 15 - Regulatory Information

#### US Federal

##### TSCA:

CAS# 52698-84-7 is listed on the TSCA inventory.

##### SARA Reportable Quantities (RQ):

None of the chemicals in this product have an RQ.

##### CERCLA/SARA Section 313:

Not listed under Section 313.

##### OSHA - Highly Hazardous:

None of the chemicals in this product are considered highly hazardous by OSHA.

#### US State

##### State Right to Know:

CAS# 52698-84-7 is not listed on state Right-to-Know lists from California, Florida, Massachusetts, Minnesota, New Jersey, or Pennsylvania.

##### California Regulations:

None.

#### European/International Regulations

##### Canadian DSL/NDSL:

CAS# 52698-84-7 is not listed on Canada's DSL or NSDL List.

##### Canada Ingredient Disclosure List:

CAS# 52698-84-7 is not listed on the Canadian Ingredient Disclosure List.

### Section 16 - Other Information

MSDS Creation Date: October 31, 2007

Revision Date: None

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