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

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name:</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>52698-84-7</td>
<td>Disodium bathocuproine</td>
<td>100</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disodium bathocuproine</td>
<td>None listed</td>
<td>None listed</td>
<td>None listed</td>
</tr>
</tbody>
</table>

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

Physical State: Solid
Color: Light tan
Odor: Odorless
pH: Not available
Vapor Pressure: Not available
Vapor Density: Not available
Evaporation Rate: Not available
Viscosity: Not available
Boiling Point: Not available
Freezing/Melting Point: Not available
Decomposition Temperature: >300°C (572°F)
Solubility in water: Soluble
Specific Gravity/Density: Not available
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Molecular Formula: C26H18N2Na2O6S2
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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