Section 1 - Chemical Product and Company Identification

MSDS Name:
Carmine Reagent

Catalog Numbers:
LC12915

Synonyms:
None.

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>1390-65-4</td>
<td>Carmine</td>
<td>100</td>
</tr>
</tbody>
</table>

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: Red powder

Caution! May cause eye and skin irritation. May cause respiratory and digestive tract irritation. The toxicological properties of this material have not been fully investigated.

Target Organs: None.

Potential Health Effects

Eye:
May cause eye irritation.

Skin:
May cause skin irritation.

Ingestion:
May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.
Inhalation:
May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic:
No information found.

---

**Section 4 - First Aid Measures**

**Eyes:**
Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until chemical is gone. Get medical aid.

**Skin:**
Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

**Ingestion:**
Do NOT induce vomiting. Give conscious victim 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.

**Inhalation:**
Move victim to fresh air immediately. Give artificial respiration if necessary. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**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.

**Extinguishing Media:**
In case of fire use water spray, dry chemical, carbon dioxide, or chemical foam.

**Autoignition Temperature:**
No information found.

**Flash Point:**
No information found.

**NFPA Rating:**
CAS# 1390-65-4: Not published.

**Explosion Limits:**
Lower: Upper:

---

**Section 6 - Accidental Release Measures**

**General Information:**
Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**
Vacuum or sweep up material and place into a suitable disposal container.
Material Safety Data Sheet
Carmine Reagent

Section 7 - Handling and Storage

Handling:
Wash thoroughly after handling. Wash hands before eating. Use with adequate ventilation. Avoid breathing dust, vapor, mist, or gas. Do not get on skin or in eyes. Avoid ingestion and inhalation.

Storage:
Store in a cool, dry area. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:
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>Carmine</td>
<td>None of the components are on this list.</td>
<td>None of the components are on this list.</td>
<td>None of the components are on this list.</td>
</tr>
</tbody>
</table>

OSHA Vacated PELs

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.

Skin:
Wear appropriate protective gloves to prevent skin exposure.

Clothing:
Wear appropriate protective clothing to prevent skin exposure.

Respirators:
Follow the OSHA respirator regulations found in 29CFR 1910.134. Always use a NIOSH-approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Color: red
Odor: Not available.

pH: No information found.

Vapor Pressure: Negligible.

Vapor Density: No information found.

Evaporation Rate: Negligible.

Viscosity: No information found.

Boiling Point: No information found.

Freezing/Melting Point: No information found.

Decomposition Temperature: No information found.
Material Safety Data Sheet
Carmine Reagent

**Solubility in water:** Soluble in hot water.

**Specific Gravity/Density:** No information found.

**Molecular Formula:** No information found.

**Molecular Weight**
No information found.

### Section 10 - Stability and Reactivity

**Chemical Stability:**
Stable under normal temperatures and pressures.

**Conditions to Avoid:**
Incompatible materials, Will react violently and exothermically with water and organic materials.

**Incompatibilities with Other Materials**
May ignite finely divided combustible materials. Explosive or violent reactions with acetone cyanohydrin, acetone and nitric acid or potassium dichromate, acrylonitrile, alcohols, hydrogen peroxide, allyl chloride, bromates and metals, bromine pentafluoride, carbides, all chlorates., chlorine trifluoride, cuprous nitride, ethylene cyanohydrin, fulminates, indane and nitric acid, iron, mercuric nitride, nitric acid and glycerides, p-nitrotoluene, pentasilver trihydroxylaminophosphate, perchlorates, phosphorus isocyanate picrates, silver permanganates, sodium, sodium carbonate, toluene and nitric acid, Dangerous temperatures and pressures occur with other substances, especially organic combinations., Explosive hydrogen gas is evolved from contact with steel, other metals.

**Hazardous Decomposition Products**
Carbon monoxide, carbon dioxide, aluminum oxide.

**Hazardous Polymerization**
Will not occur.

### Section 11 - Toxicological Information

**RTECS:**
CAS# 1390-65-4: FH8891000.

**LD50/LC50:**
CAS# 1390-65-4:
No information found.

**Carcinogenicity:**
CAS# 1390-65-4: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

**Epidemiology:**
No information found.

**Teratogenicity:**
No information found.

**Reproductive:**
No information found.

**Mutagenicity**
No information found.

**Neurotoxicity**
No information found.
Section 12 - Ecological Information
No information found.

Section 13 - Disposal Considerations
Dispose of in accordance with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: Sulfuric acid
Hazard Class: 8
UN Number: UN1830
Packing Group: PG II

Section 15 - Regulatory Information

US Federal
TSCA
CAS# 1390-65-4 is not listed on the TSCA Inventory. It is for research and development use only.

SARA Reportable Quantities (RQ)
None of the components are on this list.

CERCLA/SARA Section 313
None of the components are on this list.

OSHA - Highly Hazardous
None of the components are on this list.

US State
State Right to Know
California Regulations

European/International Regulations
Canadian DSL/NDSL
CAS# 1390-65-4 is listed on Canada's DSL List.

Canada Ingredient Disclosure List
CAS# 1390-65-4 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information
MSDS Creation Date: January 1, 2001
Revision Date: March 10, 2004
Information in this MSDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and LabChem Inc. assumes no liability resulting from the use of this MSDS. The user must determine suitability of this information for his application.