



## Material Safety Data Sheet

### 8-Hydroxyquinoline, 2%

#### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

8-Hydroxyquinoline, 2%

**Catalog Numbers:**

LC15580

**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
7732-18-5	Water	balance
64-19-7	Acetic acid	6
148-24-3	8-hydroxyquinoline	2

#### Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

*Appearance: Colorless*

*Warning! May cause respiratory and digestive tract irritation. May cause severe eye and skin irritation with possible burns.*

*Target Organs: Noneknown.*

#### Potential Health Effects

**Eye:**

Eye contact may result in swelling, irritation, damage to the cornea and conjunctiva resulting in blurred or partial loss of vision.

**Skin:**

Skin contact may result in irritation, pain, burns, blisters, and brown or yellow stains. May be absorbed through skin with same effects as inhalation.



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**Ingestion:**

Asphyxia from throat swelling can occur, perforations of the esophagus and stomach can occur. Ingestion may result in severe burns of the mouth, throat, and stomach; vomiting and diarrhea of dark blood.

**Inhalation:**

Respiratory irritation, coughing, choking, headache, dizziness, weakness can occur. Exposure to 50 ppm acetic acid is intolerable for most individuals. Delayed symptoms include lung fluid, chest pain, frothy sputum, cyanosis, rales and hypotension. Inhalation may cause irritation to respiratory tract, symptoms may include cyanosis at methemoglobin levels above 15%, dizziness, hypotension

**Chronic:**

Prolonged or repeated eye contact may cause conjunctivitis. Prolonged inhalation may affect nervous system, liver, kidneys, bone marrow. Repeated ingestion may cause same effects as inhalation.

## Section 4 - First Aid Measures

**Eyes:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids until no evidence of chemical remains. Get medical aid at once. Cover burns with loose sterile non-medicated bandages.

**Skin:**

Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes. Cover burns with a dry sterile bandage (secure, not tight).

**Ingestion:**

Do NOT induce vomiting. Get medical aid at once. Give conscious victim large quantities of water to dilute acid.

**Inhalation:**

Give artificial respiration if necessary. Get medical aid. Keep victim warm, at rest. Move victim to fresh air.

**Notes to Physician:**

Treat symptomatically and supportively.

## Section 5 - Fire Fighting Measures

**General Information:**

Negligible fire and explosion hazard when exposed to heat or flame. Move container if possible, avoid breathing vapors or dust.

**Extinguishing Media:**

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

**Autoignition Temperature:**

No information found.

**Flash Point:**

No information found.

**NFPA Rating:**

CAS# 7732-18-5: Not published.

CAS # 64-19-7 health-3; flammability-2; reactivity-0

CAS# 148-24-3: Not published.

**Explosion Limits:**

Lower:      Upper:



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### Section 6 - Accidental Release Measures

#### General Information:

Use proper personal protective equipment as indicated in Section 8.

#### Spills/Leaks:

Absorb liquid with inert or neutralizing substances such as fuller's earth, cement powder, flyash, sand. Caustic soda may be used to neutralize. Scoop material into suitable (plastic or glass) container, label for disposal. Shut off ignition source, avoid vapors. Isolate, ventilate spill area.

### Section 7 - Handling and Storage

#### Handling:

Wash thoroughly after handling. Avoid breathing dust, vapor, mist, or gas.

#### Storage:

Store capped at room temperature. Protect from heat and incompatibles. Vapor heavier than air, may travel considerable distance and ignite or explode.

### Section 8 - Exposure Controls, Personal Protection

#### Engineering Controls:

Provide local exhaust or general dilution ventilation.

#### Exposure Limits

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Acetic acid	10 ppm TWA; 15 ppm STEL	10 ppm TWA; 25 mg/m <sup>3</sup> TWA	10 ppm TWA; 25 mg/m <sup>3</sup> TWA;
8-hydroxyquinoline	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

#### OSHA Vacated PELs

Acetic acid: 10 ppm TWA; 25 mg/m<sup>3</sup> TWA

Acetic acid: 10 ppm TWA; 25 mg/m<sup>3</sup> TWA

### Personal Protective Equipment

#### Eyes:

Do not wear contact lenses when working with chemicals. An eye wash fountain should be available in the immediate work area. Wear splash-proof safety goggles.

#### Skin:

Wear appropriate protective gloves to prevent skin exposure.

#### Clothing:

Wear appropriate protective clothing to prevent skin exposure.



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#### Respirators:

>100ppm- SCBAF:PD,PP; SAF:PD,PP,CF.

500ppm- CCROVF/GMOV/SAF/SCBAF.

1000ppm- SAF:PD,PP,CF. Escape-

GMOV/SCBA. Firefighting- SCBAF:PD,PP.

## Section 9 - Physical and Chemical Properties

**Physical State:** Clear liquid

**Color:** Colorless

**Odor:** Vinegar-like

**pH:** No information found.

**Vapor Pressure:** No information found.

**Vapor Density:** No information found.

**Evaporation Rate:** No information found.

**Viscosity:** No information found.

**Boiling Point:** No information found.

**Freezing/Melting Point:** No information found.

**Decomposition Temperature:** No information found.

**Solubility in water:** Soluble.

**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.

#### Incompatibilities with Other Materials

Metals (liberates hydrogen gas), oxidizing agents.

#### Hazardous Decomposition Products

Oxides of nitrogen, oxides of carbon.

#### Hazardous Polymerization

Has not been reported

## Section 11 - Toxicological Information

#### RTECS:

CAS# 7732-18-5: ZC0110000.

CAS# 64-19-7: AF1225000.

CAS# 148-24-3: VC4200000.



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### LD50/LC50:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 64-19-7:

Inhalation, mouse: LC50 = 5620 ppm/1H

Oral, rat: LD50 = 3310 mg/kg

Skin, rabbit: LD50 = 1060 mg/kg.

CAS# 148-24-3:

Inhalation, rat: LC50 =>1210 mg/m3/6H

Oral, mouse: LD50 = 20 gm/kg

Oral, rat: LD50 = 1200 mg/kg.

### Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 64-19-7: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 148-24-3

ACGIH: Not listed.

California: Not listed.

NIOSH: Not listed.

NTP: Not listed.

OSHA: Not listed.

IARC: Group 3

### Epidemiology:

### Teratogenicity:

### Reproductive:

### Mutagenicity:

### Neurotoxicity:

## 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:** Not regulated

**Hazard Class:**

**UN Number:**

**Packing Group:**



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**Section 15 - Regulatory Information**

**US Federal**

**TSCA**

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 64-19-7 is listed on the TSCA Inventory.

CAS# 148-24-3 is listed on the TSCA Inventory.

**SARA Reportable Quantities (RQ)**

CAS# 64-19-7: final RQ = 5000 pounds (2270 kg)

**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**

Acetic acid can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

**California Regulations**

**European/International Regulations**

**Canadian DSL/NDSL**

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 64-19-7 is listed on Canada's DSL List.

CAS# 148-24-3 is listed on Canada's DSL List.

**Canada Ingredient Disclosure List**

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 64-19-7 is listed on Canada's Ingredient Disclosure List.

CAS# 148-24-3 is listed on Canada's Ingredient Disclosure List.

**Section 16 - Other Information**

MSDS Creation Date: November 21, 1998

Revision Date: September 10, 2007

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