



## Material Safety Data Sheet

### o-Cresolphthalein, 0.2% Alcoholic

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

**MSDS Name:**

o-Cresolphthalein, 0.2% Alcoholic

**Catalog Numbers:**

LC13539

**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
596-27-0	o-Cresolphthalein	0.2
64-17-5	Ethyl alcohol	balance

#### Section 3 - Hazards Identification

##### Emergency Overview

**Appearance:** Colorless liquid.

**Caution!** Flammable liquid and vapor. Warning! May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Flash Point: > 73°F.

**Target Organs:** Eyes, skin, respiratory system, central nervous system, liver, blood and reproductive system.

**Potential Health Effects****Eye:**

May cause eye irritation, Stinging, burning sensation, and lacrymation.

**Skin:**

May cause irritation and defatting.

**Ingestion:**

Ingestion can result in toxic intoxication, poisoning, headache, nausea, diarrhea and fever. Large doses can cause hemolysis, hemoglobinuria, hyperglycemia, glycosuria, renal failure, convulsions, narcosis, and paralysis.



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**Inhalation:**

May cause central nervous system effects including vertigo, anxiety, depression, muscle incoordination, emotional instability, respiratory irritation, dizziness, weakness, fatigue, nausea, headache, unconsciousness, asphyxiation (effects of narcotic). May cause irritation and dehydration of mucous membranes.

**Chronic:**

Repeated or excessive exposure may result in respiratory irritation, cough, headache, dermatitis, conjunctivitis, with possible liver and kidney damage, weight loss, neurological disorders (tremors, amnesia, myocardial and circulatory failure).

## 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.

**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.

**Ingestion:**

Give conscious victim 2-4 cupfuls of milk or water. Get medical aid at once. Give oxygen if respiration is depressed. Induce vomiting (touch finger to back of throat) keeping head lower than hips (prevent aspiration into lungs).

**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:**

Vapors heavier than air, may travel considerable distance and flash back from source of ignition. Move container if possible, avoid breathing vapors or dust. Dangerous fire/negligible explosion hazard when exposed to heat or flame.

**Extinguishing Media:**

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

**Autoignition Temperature:**

No information found.

**Flash Point:**

> 73°F

**NFPA Rating:**

CAS# 596-27-0: health - 1; flammability - 0; reactivity - 0.

CAS# 64-17-5: health-0; flammability-3; reactivity-0

**Explosion Limits:**

Lower: Not available      Upper: Not available



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### Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal. Keep out of sewers/drains.

### Section 7 - Handling and Storage

**Handling:**

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

**Storage:**

Store container tightly closed at room temperature. Protect from heat and incompatibles.

### 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. Provide local exhaust or general dilution ventilation.

**Exposure Limits:**

Chemical Name:	ACGIH	NIOSH	OSHA
o-Cresolphthalein	none listed	none listed	none listed
Ethyl alcohol	1000 ppm TWA	1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA	1000 ppm TWA; 1900 mg/m <sup>3</sup> TWA;

**OSHA Vacated PELs:**

Ethyl alcohol: 1000 ppm TWA; 1900 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.

**Respirators:**

Firefighting-- any self-contained breathing apparatus with full facepiece operated in pressure-demand mode. High Levels- CCROV/SAR/SCBA. Firefighting- SCBAF:PP,PD. (Respirator Codes: (NIOSH) Publication No. 78-210).



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### Section 9 - Physical and Chemical Properties

<b>Physical State:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Alcohol-like
<b>pH:</b>	Neutral
<b>Vapor Pressure:</b>	Not available
<b>Vapor Density:</b>	Not available
<b>Evaporation Rate:</b>	< ether
<b>Viscosity:</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Freezing/Melting Point:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Solubility in water:</b>	Soluble.
<b>Specific Gravity/Density:</b>	Not available
<b>Molecular Formula:</b>	Not applicable
<b>Molecular Weight:</b>	Not applicable

### Section 10 - Stability and Reactivity

**Chemical Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Incompatible materials, excess heat.

**Incompatibilities with Other Materials:**

Strong oxidizing agents, alkali metals, nitric acid, perchloric acid, sulfuric acid, chlorine, hypochlorites, hydrochloric acid.

**Hazardous Decomposition Products:**

Oxides of carbon, formaldehyde, corrosive fumes of acrolein.

**Hazardous Polymerization:**

Has not been reported

### Section 11 - Toxicological Information

**RTECS:**

CAS# 596-27-0: SM8390000.

CAS# 64-17-5: KQ6300000.

**LD50/LC50:**

CAS# 596-27-0:

Not available

CAS# 64-17-5:

Inhalation, mouse: LC50 = 39 gm/m<sup>3</sup>/4H

Inhalation, rat: LC50 = 20000 ppm/10H

Oral, mouse: LD50 = 3450 mg/kg

Oral, rabbit: LD50 = 6300 mg/kg

Oral, rat: LD50 = 7060 mg/kg.



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### **Carcinogenicity:**

CAS# 596-27-0: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 64-17-5

ACGIH: A4 - Not Classifiable as a Human Carcinogen

California: Not listed.

NIOSH: Not listed.

NTP: Not listed.

OSHA: Not listed.

IARC: Not listed.

### **Epidemiology:**

Toxicity: Reagent alcohol (90% ethanol, 5% methanol, 5% isopropanol) is considered an irritant/narcotic; mutagenic/-teratogenic data. Isopropanol manufactured by the strong acid process is listed in group 1 by IARC. Workers manufacturing isopropanol by this process showed increased sinus and laryngeal cancer.

### **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:** Ethanol solution

**Hazard Class:** 3

**UN Number:** UN1170

**Packing Group:** PG III

## Section 15 - Regulatory Information

### **US Federal**

#### **TSCA:**

CAS# 596-27-0 is listed on the TSCA Inventory.

CAS# 64-17-5 is listed on the TSCA Inventory.



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**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:**

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

**California Regulations:**

WARNING: This product contains Ethyl alcohol, a chemical known to the state of California to cause birth defects or other reproductive harm.

### European/International Regulations

**Canadian DSL/NDSL:**

CAS# 596-27-0 is listed on Canada's DSL List.

CAS# 64-17-5 is listed on Canada's DSL List.

**Canada Ingredient Disclosure List:**

CAS# 596-27-0 is not listed on Canada's Ingredient Disclosure List.

CAS# 64-17-5 is listed on Canada's Ingredient Disclosure List.

## Section 16 - Other Information

MSDS Creation Date: November 26, 2007

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