



# MATERIAL SAFETY DATA SHEET

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MSDS No. OX 70  
Effective Date April 6, 1999

## SECTION V HEALTH HAZARD DATA

OX 70

**Threshold Limited Value** None established by (ACGIH 1992-93).  
RTECS No. VH2100000 TXDS: Oral-rat LD50: 844 mg/kg.

**Effects of Overexposure** **EYES:** Contact with the crystals causes irritation. **SKIN:** Prolonged contact in the presence of moisture may cause irritation. **INGESTION:** May cause abdominal pain, nausea, vomiting, diarrhea, and cyanosis. **INHALATION:** May cause sore throat, coughing, dizziness, hypermea, faintness, and cyanosis.

**Emergency and First Aid Procedures** **EYES:** Immediately flush with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention. **SKIN:** Immediately flush with plenty of water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. Do NOT induce vomiting. Call physician immediately. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Reddens on exposure to air due to oxidation. Protect from light.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Strong oxidizing materials, acid chlorides, acid anhydrides.

**Hazardous Decomposition Products** Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.

<b>Hazardous Polymerization</b>		<b>Conditions to Avoid</b>	Not applicable.
<b>May Occur</b>	<b>Will Not Occur</b>		
	X		

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Wearing suitable protective clothing, avoid making dust, cover with dry lime or soda ash, sweep up material and place in a suitable container for disposal by incineration. Wash spill area well with soap and water.

**Waste Disposal Method** Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.  
Dispose of in an approved incinerator equipped with an afterburner and scrubber.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** None should be needed in normal laboratory handling. If dusty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

<b>Ventilation</b>	<b>Local Exhaust</b>	Not needed.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	Recommended.	<b>Other</b>	No.

**Protective Gloves** Rubber. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment** Goggles, lab coat, apron, proper gloves, eye wash station.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry place away from oxidizing materials. Protection from exposure to air. Avoid all personal contact.  
Keep container tightly closed when not in use.

**Other Precautions** Read label on container before using. Do not wear contact lenses when working with chemicals.  
Remove and wash contaminated clothing before reuse. Wash thoroughly after handling.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

<b>Revision</b> No. 5	<b>Date</b> 4/6/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	ORCINOL	<p>CHEMTREC 800-424-9300 Day 716-226-6177</p>	<b>Health</b>	1									
<b>Chemical Synonyms</b>	5-Methylresorcinol, Monohydrate		<b>Fire</b>	1									
<b>Formula</b>	C <sub>7</sub> H <sub>8</sub> O <sub>2</sub> •H <sub>2</sub> O		<b>Reactivity</b>	1									
<b>Unit Size</b>	up to 100 grams		<b>HMIS *</b>										
<b>C.A.S. No.</b>	6153-39-5	<p>NFPA HAZARD RATING</p> <table border="0"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	
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## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Orcinol, Monohydrate	100%	None established.

**WARNING! HARMFUL IF SWALLOWED OR INHALED.**

**CAUSES SKIN AND EYE IRRITATION.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	58-62°C (136°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.29 at (4°/4°C).
<b>Boiling Point (°F)</b>	290°C (554°F)	<b>Percent Volatile by Volume (%)</b>	N/A
<b>Vapor Pressure (mm Hg)</b>	5 mm at 147°C	<b>Evaporation Rate ( =1)</b>	N/A
<b>Vapor Density (Air=1)</b>	4.3		
<b>Solubility in Water</b>	Freely soluble in water.		
<b>Appearance &amp; Odor</b>	White crystalline powder; reddens on exposure to air; slight sweetish odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Calculated 320°F (160°C) (C.C.)	<b>Flammable Limits in Air % by Volume</b>	Calc.	Lower	Upper
				1.4%	-----

**Extinguisher Media** Water spray; carbon dioxide (CO<sub>2</sub>); dry chemical.

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react with oxidizing materials.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20