



# LABORATORY REAGENT

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## Material Safety Data Sheet Orcinol Monohydrate

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Orcinol Monohydrate

**Synonyms:** 1,3 -Dihydroxy-5-Methylbenzene; 3,5-Dihydroxytoluene; 5-Methyl-1,3-Benzenediol; 5-Methylresorcinol.

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
6153-39-5	Orcinol Monohydrate	100	unlisted

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Appearance: white to pink solid.

**Warning!** May cause severe eye irritation and possible injury. May cause severe skin irritation. May be harmful if swallowed. May cause severe respiratory and digestive tract irritation with possible burns.

**Target Organs:** No data found.

#### Potential Health Effects

**Eye:** May cause severe eye irritation. May cause irreversible eye injury.

**Skin:** May cause severe skin irritation.

**Ingestion:** May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns. May be harmful if swallowed.

**Inhalation:** Causes respiratory tract irritation.

**Chronic:** Effects may be delayed.

### Section 4 - First Aid Measures

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

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

**Ingestion:** Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. 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. Do NOT use mouth-to-mouth resuscitation.

**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. Non-combustible, substance itself does not burn but may decompose upon heating to produce irritating, corrosive and/or toxic fumes.

**Extinguishing Media:** For small fires, use water spray, dry chemical, carbon dioxide or chemical foam. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

**Flash Point:** Not applicable.

**Autoignition Temperature:** Not applicable.

**Explosion Limits, Lower:**Not available.

**Upper:** Not available.

**NFPA Rating:** (estimated) Health: 2; Flammability: 0; Instability: 0

#### 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. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

#### Section 7 - Handling and Storage

**Handling:** Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Keep away from heat, sparks and flame. Avoid ingestion and inhalation.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

#### 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

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Orcinol Monohydrate	none listed	none listed	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 minimize contact with skin.

#### Section 9 - Physical and Chemical Properties

**Physical State:** Solid  
**Appearance:** white to pink  
**Odor:** none reported  
**pH:** Not available.  
**Vapor Pressure:** Not applicable.  
**Vapor Density:** Not available.  
**Evaporation Rate:**Not applicable.  
**Viscosity:** Not applicable.  
**Boiling Point:** 549-554F  
**Freezing/Melting Point:**225 deg F  
**Decomposition Temperature:**Not available.  
**Solubility:** Soluble in water.  
**Specific Gravity/Density:**1.290 @ 4C  
**Molecular Formula:**C7H8O2.H2O  
**Molecular Weight:**124.0548

#### Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.  
**Conditions to Avoid:** Incompatible materials, dust generation, excess heat.  
**Incompatibilities with Other Materials:** Acid chlorides, acid anhydrides, Strong oxidizers. May discolor on exposure to light.  
**Hazardous Decomposition Products:** Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.  
**Hazardous Polymerization:** Has not been reported.

#### Section 11 - Toxicological Information

**RTECS#:**  
**CAS#** 6153-39-5 unlisted.  
**LD50/LC50:**  
Not available.  
**Carcinogenicity:**  
CAS# 6153-39-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
**Epidemiology:** No information found  
**Teratogenicity:** No information found  
**Reproductive Effects:** No information found  
**Mutagenicity:** No information found  
**Neurotoxicity:** No information found  
**Other Studies:**

#### Section 12 - Ecological Information

No information available.

#### Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.  
**RCRA U-Series:** None listed.

Section 14 - Transport Information

	IATA	
<b>Shipping Name:</b>	Not regulated as a hazardous material	
<b>Hazard Class:</b>		
<b>UN Number:</b>		
<b>Packing Group:</b>		

Section 15 - Regulatory Information

**Hazard Symbols:**XN

**Risk Phrases:** R 22 Harmful if swallowed.

**Safety Phrases:**

S 22 Do not breathe dust.

S 24/25 Avoid contact with skin and eyes.

Section 16 - Additional Information

**MSDS Creation Date:** 9/02/2000

**Revision #4 Date:** 10/03/2005

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