

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 668.00

Revision Date: September 28, 2011

---

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

---

#### Resorcinol

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

---

### SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

---

Resorcinol

Synonym: m-Benzenediol; 1,3-Benzendiol

CAS#: 108-46-3

---

### SECTION 3 — HAZARDS IDENTIFICATION

---

White crystals that turn pink on exposure to light. Floral odor.

Moderately toxic by ingestion, inhalation, and skin absorption. Irritating to body tissues. Avoid all body tissue contact.

Substance is readily absorbed through skin and can cause systemic effects.

Combustible solid.

#### FLINN AT-A-GLANCE

Health-2

Flammability-1

Reactivity-1

Exposure-2

Storage-0

0 is low hazard, 3 is high hazard

---

### SECTION 4 — FIRST AID MEASURES

---

Call a physician and seek medical attention for further treatment, observation, and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.

Eye or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Do NOT induce vomiting. Rinse mouth. Give large quantities of water for dilution. Call a physician or poison control at once.

---

### SECTION 5 — FIRE FIGHTING MEASURES

---

Combustible solid.

Flash point: 127 °C Autoignition Temperature: 608 °C

**Fire Fighting Instructions:** Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive mode.

#### NFPA CODE

H-1

F-1

R-0

---

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

---

Restrict unprotected personnel from area. Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

---

### SECTION 7 — HANDLING AND STORAGE

---

Flinn Suggested Chemical Storage Pattern: Organic #8. Store with phenols and cresols.

Store in a cool dry place. Use and dispense in a hood.

---

### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

---

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).

Exposure guidelines: TWA 10 ppm, STEL 20 ppm (NIOSH)

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

White crystals that turn pink on exposure to light. Floral odor.  
Solubility: Soluble in water, alcohol and many organic solvents.  
Formula:  $C_6H_4-1,3-(OH)_2$   
Formula weight: 110.11

Boiling point: 178 °C  
Melting point: 109-111 °C  
Specific gravity: 1.2717  
Vapor density: 3.8

**SECTION 10 — STABILITY AND REACTIVITY**

Avoid contact with acid anhydrides, acid chlorides, strong oxidizers, albumin, acetanilide, camphor, menthol, urethane, iron and iron salts.

Shelf life: Indefinite, if stored properly. Light sensitive.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Toxic, irritant  
Chronic effects: N.A.  
Target organs: Blood, nerves, thyroid

ORL-RAT LD<sub>50</sub>: 301 mg/kg  
IHL-RAT LC<sub>50</sub>: N.A.  
SKN-RBT LD<sub>50</sub>: 3360 mg/kg

N.A. = Not available, not all health aspects of this substance have been fully investigated.

**SECTION 12 — ECOLOGICAL INFORMATION**

Data not yet available.

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply, before proceeding.  
Flinn Suggested Disposal Method #18b is one option.

**SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Resorcinol  
Hazard class: 6.1, Keep away from food  
UN number: UN2876  
N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (203-585-2), RCRA code U201.

**SECTION 16 — OTHER INFORMATION**

This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of Flinn Scientific, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

**Consult your copy of the *Flinn Science Catalog/Reference Manual*  
for additional information about laboratory chemicals.**