

## Safety Data Sheet (SDS)

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Resorcinol

Signal Word  
**WARNING**

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

Chemtrec Emergency Phone Number: (800) 424-10219

Pictograms

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).



Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2A). Causes skin and serious eye irritation (H315+H319).

### SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Resorcinol	108-46-3	C <sub>6</sub> H <sub>4</sub> -1,3-(OH) <sub>2</sub>	110.11	
Synonyms: m-Benzenediol; 1,3-Benzenediol				

### SECTION 4 — FIRST AID MEASURES

**If exposed or concerned:** Get medical advice or attention (P308+P313).

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists eyes:** Get medical advice or attention (P337+P313).

**If on skin:** Rinse cautiously with water for several minutes (P302+P351).

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell (P301+P330+P312).

### SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible solid.

NFPA Code

Flash point: 127 °C Flammable limits: Lower: 1.4% Upper: 1.28% Autoignition Temperature: 608 °C

H-2  
F-1

When heated to decomposition, may emit toxic fumes.  
In case of fire: Use a tri-class dry chemical fire extinguisher.

R-0

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## SECTION 6 — ACCIDENTAL RELEASE MEASURES

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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.

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## SECTION 7 — HANDLING AND STORAGE

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Flinn Suggested Chemical Storage Pattern: Organic #8. Store with phenols and cresols.  
Store in a cool dry place.

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## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).  
Exposure guidelines: TLV 10 ppm, STEL 20 ppm (ACGIH)  
REL and TLV: Short-term value: 90 mg/m<sup>3</sup>, 20 ppm Long-term value: 45 mg/m<sup>3</sup>, 10 ppm

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## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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White crystals that turn pink on exposure to light. Floral odor.	Boiling point: 178 °C
Soluble: Water, alcohol and many organic solvents	Ignition temperature: 605 °C
Partition coefficient: Not determined	Melting point: 107-114 °C
Explosion limits (upper/lower): Not determined	Vapor pressure (@ 20° C): 0.01 hPA
	Specific gravity: 1.2717
	Vapor density: 3.8
	Flash point: 127 °C

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## SECTION 10 — STABILITY AND REACTIVITY

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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.

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## SECTION 11 — TOXICOLOGICAL INFORMATION

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Acute effects: Skin and eye irritation, dyspnea, cyanosis.	ORL-RAT LD <sub>50</sub> : 301 mg/kg
Chronic effects: N.A.	IHL-RAT LC <sub>50</sub> : N.A.
Target organs: Blood, CNS, respiratory tract, spleen, liver.	SKN-RBT LD <sub>50</sub> : 3360 mg/kg
NTP: Not listed	
IARC: Category 3-not classifiable as to its carcinogenicity to humans	

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## SECTION 12 — ECOLOGICAL INFORMATION

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Data not yet available.

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## SECTION 13 — DISPOSAL CONSIDERATIONS

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

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## SECTION 14 — TRANSPORT INFORMATION

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Shipping name: Resorcinol. Hazard class: 6.1, Keep away from food. UN number: UN2876. Packing group III

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## SECTION 15 — REGULATORY INFORMATION

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

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**SECTION 16 — OTHER INFORMATION**

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

N/A = Not applicable

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

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