

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 ₆ H ₄ -1,3-(OH) ₂	110.11	
Synonyms: m-Benzenediol; 1,3-Benzendiol				

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

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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/m³, 20 ppm Long-term value: 45 mg/m³, 10 ppm

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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

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

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. Packing group III

SECTION 15 — REGULATORY INFORMATION

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

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.

Revision Date: September 29, 2015
