



Resorcinol Safety Data Sheet (SDS)

SDS #: 668

Revision Date: September 29, 2015

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) 424-10219

Signal Word

WARNING

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).

Pictograms



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.

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

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA Code

H-2

F-1

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.

Soluble: Water, alcohol and many organic solvents

Partition coefficient: Not determined

Explosion limits (upper/lower): Not determined

Boiling point: 178 °C

Ignition temperature: 605 °C

Melting point: 107-114 °C

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.

Chronic effects: N.A.

Target organs: Blood, CNS, respiratory tract, spleen, liver.

NTP: Not listed

IARC: Category 3-not classifiable as to its carcinogenicity to humans

ORL-RAT LD₅₀: 301 mg/kg

IHL-RAT LC₅₀: N.A.

SKN-RBT LD₅₀: 3360 mg/kg

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.

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