

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 668.00

Revision Date: September 27, 2010

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

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, 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: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Give 1 to 2 cups of water or milk, followed by a gastric antacid, such as milk of magnesia. Do not induce vomiting. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Combustible solid.

Flash Point: 261 °F Autoignition Temperature: 1126 °F

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, ACGIH)

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 @ 16 mm
 Melting Point: 109-111 °C
 Specific Gravity: 1.2717
 Vapor Density: 3.8 (Air=1)
 Vapor Pressure: 1 mm @ 21.1 °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.

SECTION 11 — TOXICOLOGICAL INFORMATION

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

ORL-RAT LD₅₀: 301 mg/kg
 IHL-RAT LC₅₀: N.A.
 SKN-RBT LD₅₀: 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 consult with state and local regulations.
 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

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