

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 377.05

Revision Date: July 5, 2012

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Guaiacol

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

Guaiacol

Synonym: 2-Methoxyphenol

CAS#: 90-05-1

SECTION 3 — HAZARDS IDENTIFICATION

Clear, colorless liquid. Mild antiseptic odor.

Moderately toxic by ingestion and inhalation. Corrosive to skin, eyes, and respiratory tract. Absorbed through the skin. Avoid all body tissue contact.

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. If vomiting occurs, ensure vomit is not aspirated. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Class IIIA combustible liquid.

Flash point: 82 °C

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

NFPA CODE

None

established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Ventilate area. Wipe up the spill, place in a sealed bag or container, and dispose.

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.

Material is light sensitive. Keep container tightly closed. 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 a chemical-resistant apron. Use ventilation to keep airborne concentrations low. 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).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Clear, colorless to yellow liquid. Mild antiseptic odor.

Solubility: Soluble in alcohol.

Formula: C₇H₈O₂

Formula weight: 124.14

Boiling point: 205 °C

Melting point: 26 - 29 °C

Specific gravity: 1.13

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizing agents, strong bases, and light.

Shelf life: Good, if keep tightly closed and protected from light.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Moderate skin and eye irritant, nausea, headache, vomiting.

Chronic effects: N.A.

Target organs: Eyes, skin, mucous membranes, nervous system.

ORL-RAT LD₅₀: 520 mg/kg

IHL-RAT LC₅₀: N.A.

SKN-RBT LD₅₀: 4600 mg/kg

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

SECTION 12 — ECOLOGICAL INFORMATION

EC₅₀: 25.9 mg/L (48 hour *Daphnia magna*)

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: Not regulated

Hazard class: N/A

UN number: N/A

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

Not listed.

SECTION 16 — OTHER INFORMATION

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