

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 587.00

Revision Date: September 30, 2010

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### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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#### Phenol Solution 5% Aqueous

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

CHEMTREC Emergency Phone Number: (800) 424-9300

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### SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

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Phenol (108-95-2) 5% and Water (7732-18-5) 95%.

CAS#: None Established

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### SECTION 3 — HAZARDS IDENTIFICATION

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Clear liquid. Slight disinfectant odor.  
Moderately toxic by ingestion, inhalation, and skin contact. Extreme body tissue irritant.  
Avoid all body tissue contact.

#### FLINN AT-A-GLANCE

Health-2

Flammability-0

Reactivity-1

Exposure-2

Storage-0

0 is low hazard, 3 is high hazard

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### SECTION 4 — FIRST AID MEASURES

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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: Immediately flush with fresh water for 15 minutes.

External: Remove phenol with isopropyl alcohol or undiluted polyethylene glycol (300-400 MW), if available, then wash continuously with SOAPY water for 15 minutes. Water alone may be harmful.

Internal: Do NOT give water. Do not induce vomiting. Call a physician or poison control at once. Water may enhance absorption.

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### SECTION 5 — FIRE FIGHTING MEASURES

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Nonflammable liquid.

#### NFPA CODE

None  
established

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### SECTION 6 — ACCIDENTAL RELEASE MEASURES

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Restrict unprotected personnel from area and ventilate area. Contain spill with sand or absorbent material; deposit in sealed bag or container. 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.

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### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Clear liquid. Slight disinfectant odor.

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**SECTION 10 — STABILITY AND REACTIVITY**

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Avoid contact with strong oxidizing agents.

Shelf life: Good.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute effects: Toxic, blistering agent

ORL-RAT LD<sub>50</sub>: 317 mg/kg as phenol

Chronic effects: N.A.

IHL-RAT LC<sub>50</sub>: 316 mg/m<sup>3</sup> as phenol

Target organs: Liver, kidneys, nervous system, spleen

SKN-RBT LD<sub>50</sub>: 850 mg/kg as phenol

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

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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 consult with state and local regulations.

Flinn Suggested Disposal Method #26b is one option.

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**SECTION 14 — TRANSPORT INFORMATION**

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Shipping Name: Phenol solutions

Hazard Class: 6.1, Poison

UN Number: UN2821

N/A = Not applicable

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**SECTION 15 — REGULATORY INFORMATION**

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Not listed.

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**SECTION 16 — OTHER INFORMATION**

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