FLINN SCIENTIFIC, INC.
Material Safety Data Sheet (MSDS)

MSDS #: 211.00

Revision Date: September 17, 2012

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Carbol Fuchsin Solution

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

Basic fuchsin (632-99-5) 0.9%; Ethyl alcohol (64-17-5) 9%; Phenol (108-95-2) 4.5%; and Water (7732-18-5) 85%.

CAS#: None established

SECTION 3 — HAZARDS IDENTIFICATION

Rose/purple solution. Strong phenol odor.
Skin irritant. Inhalation hazard. Moderately toxic due to phenol and ethyl alcohol. Phenol is readily absorbed through the skin. Practice strict hygiene in the use of this substance because of the phenol constituent.

FLINN AT-A-GLANCE

Health-2
Flammability-1
Reactivity-0
Exposure-2
Storage-0

0 is low hazard, 3 is high hazard

SECTION 4 — FIRST AID MEASURES

Contains phenol. Seek medical attention for further treatment, observation and support immediately after first aid.
Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.
External: Remove phenol with isopropyl alcohol or undiluted polyethylene glycol, then wash continuously with SOAPY water for at least 15 minutes. Water alone will increase absorption.
Internal: Do NOT give water. Do NOT induce vomiting. Call a physician or poison control at once. Water may enhance absorption.

SECTION 5 — FIRE FIGHTING MEASURES

Class II combustible liquid due to ethyl alcohol content.
Flash point: 49 °C When heated, releases flammable fumes.
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

H-1
F-3
R-0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material and deposit in a sealed bag or container. 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.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, **Neoprene** 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: PEL 5 ppm as phenol (OSHA) Odor threshold of phenol is 0.04 ppm. **Readily absorbed through the skin.**

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Rose/purple liquid with a strong phenol odor.
The odor threshold for phenol is 0.04 ppm.

Used to stain acid-fast bacteria.

SECTION 10 — STABILITY AND REACTIVITY

Avoid heat and sources of ignition. Avoid body contact.
Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant.
Chronic effects: N.A.
Target organs: N.A.

ORL-RAT LD_{50}: 317 mg/kg as phenol
IHL-RAT LC_{50}: 316 mg/m^3 as phenol
SKN-RBT LD_{50}: 850 mg/kg as phenol

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 review all federal, state and local regulations that may apply before proceeding.
Flinn Suggested Disposal Method #24a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Ethyl alcohol solution
Hazard class: 3, Flammable liquid
UN number: UN1170
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.

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