

FLINN SCIENTIFIC, INC.

Material Safety Data Sheet (MSDS)

MSDS #: 102.00

Revision Date: May 27, 1998

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Benedicts Qualitative 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

Sodium Citrate (68-04-2) 17-18%, Sodium Carbonate (497-19-8) 9-11%, Cupric Sulfate (7758-98-7) 1-2%, and Water (7732-18-5) 73-69%
CAS#: None Established

SECTION 3 — HAZARDS IDENTIFICATION

Light blue solution. Odorless.
Substance not considered hazardous. However, not all health aspects of this substance have been thoroughly investigated.

FLINN AT-A-GLANCE

Health-0
Flammability-0
Reactivity-0
Exposure-0
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 large quantities of water. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Non flammable, non combustible liquid.

NFPA CODE

None
Established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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

Light blue solution, odorless.

Contains: sodium carbonate, sodium citrate, copper sulfate.

SECTION 10 — STABILITY AND REACTIVITY

Shelf life: indefinite

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant. 100 ml of this solution contains no more than 2000 mg of copper sulfate.

Chronic effects: N.A.

Target organs: N.A.

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

ORL-RAT LD50: 300 mg/kg (for CuSO₄)

IHL-RAT LC50: N.A.

SKN-RBT LD50: N.A.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please consult with state and local regulations.

Flinn Suggested Disposal Method #26b 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 Chemical Catalog/Reference Manual
for additional information about laboratory chemicals**