SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manganese(II) Sulfate

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

Manganese(II) sulfate, monohydrate Synonym: manganese sulfate, manganous sulfate

CAS#: 10034-96-5

SECTION 3 — HAZARDS IDENTIFICATION

Pink, crystalline powder or chunks. Odorless. Slightly toxic by inhalation. Body tissue irritant. Avoid all body tissue contact.

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: Rinse out mouth. Give 1 to 2 cups of water or milk. Induce vomiting. Call a physician or poison control at once.

SECTION 5 — FIRE FIGHTING MEASURES

Noncombustible solid.

NFPA Code None established

FLINN AT-A-GLANCE

0 is low hazard, 3 is high hazard

Health-1

Flammability-0 Reactivity-1 Exposure-1 Storage-1

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Restrict unprotected personnel from the area. Sweep up the spill, place in a 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: Inorganic #2. Store with acetates, halides, sulfates, sulfates, thiosulfates, and phosphates. Deliquescent; store in Flinn Chem-Saf Bag.

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 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).

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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Pink, crystalline powder or chunks. Solubility: Soluble in water; insoluble in alcohol. Formula: $MnSO_4 H_2O$ Formula weight: 169.01

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong acids. Shelf life: Poor, hygroscopic; store in a Flinn Chem-Saf bag.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant	ORL-RAT LD ₅₀ : N.A.
Chronic effects: Possible mutagen	IHL-RAT LC ₅₀ : N.A.
Target organs: Central nervous system, lungs	SKN-RBT LD ₅₀ : N.A.

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 #27f 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

TSCA-listed, EINECS-listed (232-089-9).

SECTION 16 — OTHER INFORMATION

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