

# Manganese(II) Sulfate Safety Data Sheet (SDS)

## 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) 424-9984

**Signal Word****WARNING**

## SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Specific target organ toxicity, repeated exposure (Category 2). May cause damage to organs through prolonged or repeated exposure (H373). Do not eat, drink or smoke when using this product (P270).

## Pictograms



## SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Manganese(II) sulfate, monohydrate	10034-96-5	MnSO <sub>4</sub> ·H <sub>2</sub> O	169.01	

Synonyms: Manganese sulfate; Manganous sulfate

## SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.**If on skin:** Wash with plenty of water.**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

## SECTION 5 — FIRE FIGHTING MEASURES

Noncombustible solid.

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher.

**NFPA Code**

None established

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

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, sulfites, thiosulfates and phosphates.

Hygroscopic. Store in a cool, dry place within a Flinn Chem-Saf™ bag. Do not breathe dust or fumes (P260).

## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.

Exposure guidelines: Ceiling 5 mg/m<sup>3</sup> (OSHA); 0.1 mg/m<sup>3</sup> (inhalable fraction) (ACGIH)

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Pink, crystalline powder or chunks. Odorless.

Melting point: 30 °C

Soluble: Water. Insoluble in alcohol. Specific gravity: 2.1

## SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong acids.

Shelf life: Poor, hygroscopic. See Section 7 for further information.

## SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant

ORL-RAT LD<sub>50</sub>: N.A.

Chronic effects: Possible mutagen

IHL-RAT LC<sub>50</sub>: N.A.

Target organs: Central nervous system, lungs

SKN-RBT LD<sub>50</sub>: N.A.

## 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.

**SECTION 15 — REGULATORY INFORMATION**

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

**SECTION 16 — OTHER INFORMATION**

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

N/A = Not applicable

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

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