Section 1 — Chemical Product and Company Identification

Inositol

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

Inositol
Synonyms: myo-inositol, meso-inositol, cyclohexanehexol
CAS#: 87-89-8

Section 3 — Hazards Identification

White, odorless granular powder.
Substance not considered hazardous. However, not all health aspects of this substance have been thoroughly investigated.

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 solid.

Section 6 — Accidental Release Measures

Restrict unprotected personnel from area. Sweep up, place in 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: Organic #2. Store with alcohols, glycols, amines and amides.
Store in a cool dry place.

Section 8 — Exposure Controls, Personal Protection

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron.
## Section 9 — Physical and Chemical Properties

White, odorless granular powder.  
Solubility: Soluble in water; insoluble in absolute alcohol and ether.  
Formula: C₆H₂₆O₆  
Formula Weight: 180.16  
Melting Point: 225-227 °C  
Density: 1.752 (anhydrous)

## Section 10 — Stability and Reactivity

Avoid contact with strong oxidizers.  
Shelf Life: Indefinite.

## Section 11 — Toxicological Information

- **Acute effects:** Dust may be an irritant.  
  - ORL-RAT LD₅₀: N.A.  
  - IHL-RAT LC₅₀: N.A.  
  - SKN-RBT LD₅₀: N.A.
- **Chronic effects:** N.A.  
- **Target organs:** 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 consult with state and local regulations.  
Flinn Suggested Disposal Method #26a 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 (201-781-2).

## Section 16 — Other Information

Consult your copy of the Flinn Scientific Catalog/Reference Manual for additional information about laboratory chemicals.  
This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable.  
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