

Material Safety Data Sheet (MSDS)

Product Name: Vitamin B8-Inositol

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Identification of the Substance/Preparation and Company

- Product Name: Vitamin B8 – Inositol
- Recommended Use: Nutritional supplement, pharmaceutical applications.
- Company Details: As above.

2. Composition / Information on Ingredients

- Chemical Name: 1,2,3,4,5,6-Hexahydroxycyclohexane
- CAS Number: 87-89-8
- EC Number: 201-781-7
- Purity: $\geq 99\%$
- Impurities: Trace moisture

3. Hazard Identification

- Non-toxic, non-irritant under normal conditions.
- Not classified as hazardous under GHS.
- May cause mild irritation if inhaled in large amounts (dust).

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with soap and water.
- **Eye Contact:** Rinse thoroughly with water for 15 minutes.
- **Ingestion:** Rinse mouth and drink water. Seek medical advice if necessary.

5. Firefighting Measures

- **Suitable Extinguishing Media:** Water spray, foam, dry powder, carbon dioxide.
- **Special Hazards:** Combustion may produce carbon oxides.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus.

6. Accidental Release Measures

- Avoid dust formation.
- Sweep or vacuum carefully.
- Dispose of in accordance with local regulations.

7. Handling and Storage

- **Handling:** Avoid generating dust. Use personal protective equipment as required.
- **Storage:** Keep in a cool, dry, well-ventilated place. Protect from moisture.

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Use local exhaust ventilation to minimize dust.
- **Personal Protective Equipment (PPE):**
 - Gloves, safety goggles, dust mask if needed.

9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
- **Odor:** Odorless
- **Melting Point:** 225–226 °C
- **Solubility:** Soluble in water, insoluble in organic solvents
- **pH:** 5–7 (1% aqueous solution)

10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon oxides when heated above decomposition temperature.

11. Toxicological Information

- Non-toxic by ingestion.
- LD50 (oral, rat): >10 g/kg (practically non-toxic).
- No evidence of carcinogenicity or mutagenicity.

12. Ecological Information

- Biodegradable.
- Low toxicity to aquatic life.
- Avoid release to environment in large quantities.

13. Disposal Considerations

- Dispose of according to local regulations.
- Avoid contamination of water sources.

14. Transport Information (Detailed)

UN Number: Not regulated

UN Proper Shipping Name: Not classified as hazardous

Transport Hazard Class(es): None

Packing Group: Not applicable

Environmental Hazards: Not environmentally hazardous

Special Precautions for User:

- Keep containers tightly closed during transport.
- Avoid creating dust.
- Store in dry and ventilated areas, away from incompatible materials (oxidizers).
- Handle containers carefully to prevent rupture.
- **Transport Mode Considerations:**
- **Road / Rail:** Standard cargo handling procedures; avoid spillage.
- **Sea / Air:** Pack securely to prevent moisture ingress; no special restrictions.
- Ensure compliance with international transport regulations (IATA, IMDG) even if not classified as dangerous.

15. Regulatory Information

- Not classified as hazardous under OSHA, EU, or GHS regulations.
- Complies with relevant food and pharmaceutical supplement standards.

16. Other Information

- MSDS prepared according to international standards.
- Information is based on current knowledge and experience.
- Users must satisfy themselves that the product is suitable for their intended use.
- **Disclaimer:** The supplier assumes no liability for any damage resulting from handling or contact with this product.
- **MSDS Generate Date:** 20-05-2017

- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.