

Material Safety Data Sheet (MSDS)

Product Name: Sodium Starch Glycolate BP Grade (Maize)

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

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1. Identification of the Substance/Preparation and Company

Product Name: Sodium Starch Glycolate BP Grade (Maize)

Synonyms: Carboxymethyl Starch Sodium

CAS Number: 9063-38-1

Grade: BP (British Pharmacopoeia)

Recommended Use: Pharmaceutical excipient – Superdisintegrant

Restrictions on Use: For industrial and pharmaceutical use only

2. Hazards Identification

- Not classified as hazardous according to GHS
- Dust may cause mild irritation to eyes and respiratory tract
- Combustible dust may form explosive mixtures in air
- No significant environmental hazards known

3. Composition / Information on Ingredients

Sodium Starch Glycolate BP Grade (Maize) is a chemically modified starch consisting primarily of cross-linked carboxymethyl ether of starch. The product contains **not less than 95% Sodium Starch Glycolate**, derived from maize starch. No hazardous impurities are present within the limits prescribed by BP specifications.

4. First Aid Measures

Inhalation: Move affected person to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash thoroughly with soap and water.

Eye Contact: Rinse cautiously with clean water for several minutes. Remove contact lenses if present.

Ingestion: Rinse mouth with water. Do not induce vomiting. Obtain medical advice if discomfort occurs.

5. Fire Fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical powder, carbon dioxide

Specific Hazards: Dust accumulation may form combustible dust-air mixtures

Protective Equipment: Self-contained breathing apparatus and full protective gear

6. Accidental Release Measures

- Avoid dust formation
 - Use protective equipment
 - Sweep or vacuum spilled material using suitable equipment
 - Dispose of collected material as per local regulations
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7. Handling and Storage

Handling:

- Avoid inhalation of dust
- Ensure adequate ventilation

Storage:

- Store in a cool, dry, well-ventilated area
- Keep container tightly closed
- Protect from moisture and contamination

8. Exposure Controls / Personal Protection

Respiratory Protection: Dust mask or respirator if ventilation is insufficient

Eye Protection: Safety goggles

Skin Protection: Protective gloves and work clothing

Engineering Controls: Local exhaust ventilation recommended

9. Physical and Chemical Properties

- **Appearance:** White to off-white powder
- **Odour:** Odourless
- **Solubility:** Practically insoluble in water; swells upon contact
- **pH (1% dispersion):** 5.5 – 7.5
- **Bulk Density:** 0.6 – 0.9 g/cm³

10. Stability and Reactivity

- **Chemical Stability:** Stable under normal conditions
- **Reactivity:** No hazardous reactions known
- **Conditions to Avoid:** Excessive heat, moisture
- **Incompatible Materials:** Strong oxidizing agents

11. Toxicological Information

- Low acute toxicity
- Not irritating to skin under normal conditions
- Dust may cause mild eye irritation
- No known chronic or long-term health effects

12. Ecological Information

- Not expected to be harmful to aquatic life
- Biodegradable
- No bioaccumulation potential identified
- Minimal environmental impact

13. Disposal Considerations

Dispose of product and packaging in accordance with local, regional, and national regulations. Product is considered non-hazardous waste under normal conditions.

14. Transport Information (Detailed)

UN Number: Not applicable

UN Proper Shipping Name: Not regulated

Transport Hazard Class: Not classified as hazardous

Road Transport (ADR/RID):

Not dangerous goods. No hazard labeling required.

Sea Transport (IMDG Code):

Not classified as marine pollutant. No special packing instructions required.

Air Transport (IATA):

Not restricted for air transport.

Environmental Hazards:

No environmental hazards identified.

Special Transport Precautions:

- Keep containers tightly sealed
- Protect from moisture
- Avoid generation of dust during transport
- Transport in clean, dry, and well-secured packaging

15. Regulatory Information

- Conforms to BP standards
- Not classified as hazardous under GHS, OSHA, or REACH
- Intended for pharmaceutical excipient use

16. Other Information

Disclaimer:

The information contained herein is based on current knowledge and experience. It is provided for guidance on safe handling, storage, transportation, and disposal. This MSDS does not constitute a guarantee of product properties. Compliance with applicable laws and regulations remains the responsibility of the user.

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- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.