

Material Safety Data Sheet (MSDS)

Product Name: Pregelatinized Starch IP Grade

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

- **Synonyms:** Pre-cooked Starch, Modified Starch
- **Chemical Name:** Pregelatinized Starch
- **CAS Number:** 9005-25-8
- **Chemical Formula:** $(C_6H_{10}O_5)_n$

2. Composition / Information on Ingredients

- The product consists primarily of **Pregelatinized Starch** ($\geq 99\%$).
- Minor components include moisture and impurities ($\leq 1\%$).

3. Hazard Identification

- Non-hazardous under normal conditions of use.
- Dust may cause mild irritation to respiratory tract.
- Not flammable but may burn under extreme heat.

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. Consult a doctor if irritation occurs.
- **Ingestion:** Generally non-toxic; drink water and seek medical advice if discomfort occurs.

5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, CO₂, dry chemical powder, foam.
- **Specific Hazards:** Avoid dust accumulation, which may cause dust explosion.
- **Protective Equipment:** Use self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures

- Avoid creating dust.
- Sweep or vacuum carefully.
- Dispose of in accordance with local regulations.
- Wash spill area with water.

7. Handling and Storage

- Handle in a well-ventilated area.
- Avoid creating dust clouds.
- Store in a cool, dry place away from moisture.
- Keep containers tightly closed.

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Use dust extraction or ventilation.

- **Personal Protection:**
 - Gloves and safety glasses recommended.
 - Dust mask if handling large quantities.
 - **Exposure Limits:** Not established; follow general dust exposure limits.
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9. Physical and Chemical Properties

- **Appearance:** White to off-white powder
 - **Odor:** Odorless
 - **pH:** 5.5 – 7 (1% solution)
 - **Melting Point:** Decomposes >200°C
 - **Solubility:** Dispersible in cold water; soluble in hot water
 - **Specific Gravity:** ~1.5 g/cm³
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10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
 - **Incompatible Materials:** Strong oxidizing agents.
 - **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide if burned.
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11. Toxicological Information

- **Acute Toxicity:** Low; generally regarded as safe (GRAS).
 - **Skin/Eye Irritation:** May cause mild irritation.
 - **Carcinogenicity:** Not listed as carcinogen.
 - **Chronic Effects:** No known chronic effects.
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12. Ecological Information

- Biodegradable.
- Non-toxic to aquatic life.

- Avoid large releases into water systems.

13. Disposal Considerations

- Dispose of in accordance with local, state, and national regulations.
- Do not release large amounts into drainage.

14. Transport Information (Detailed)

- **UN Number:** Not regulated
- **UN Proper Shipping Name:** Not classified as dangerous
- **Transport Hazard Class:** None
- **Packing Group:** Not applicable
- **Environmental Hazards:** Non-hazardous
- **Transport Precautions:**
 - Avoid creating dust during transport.
 - Use sealed containers to prevent contamination.
 - Keep away from strong oxidizers and sources of ignition.
- **Special Transport Instructions:**
 - Ground: Use covered trucks to prevent dispersion.
 - Sea: Follow bulk packaging guidelines; avoid wet conditions.
 - Air: Not classified as dangerous; follow normal cargo handling procedures.

15. Regulatory Information

- Complies with Indian Pharmacopoeia (IP) standards.
- Not classified as hazardous under Indian regulations.
- Observe local occupational health and safety rules.

16. Other Information

- **Disclaimer:** Information provided is based on current knowledge and experience.
- Users should ensure suitability for their specific purposes.
- Keep away from moisture to maintain product quality.
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.