



Material Safety Data Sheet

Modified Starch MSDS

1. SUBSTANCE IDENTIFICATION

- 1.1. Product Name: [Modified Starch](#)
- 1.2. Description: Modified Starch is a group of starch derivatives manufactured through chemical synthesis.
- 1.3. Chemical Formula: (C₆H₁₀O₅)_n
- 1.4. Molecular weight: Not Applicable
- 1.5. CAS #: 65996-63-6
- 1.6. EINECS #: Not Applicable
- 1.7. Manufactured by: Foodchem International Corporation, Shanghai China.
- 1.8. Supplied by: Foodchem International Corporation, Shanghai China.
- 1.9. Usage: In food as hickening agent, stabilizer or emulsifier

2. Composition

- 2.1. Modified Starch: >99%
- 2.2. Hazardous impurities: Negative

3. Physical/Chemical Characteristics

- 3.1. Physical State: Powder
- 3.2. Appearance: white powder
- 3.3. Odor: Odorless.
- 3.4. pH: Not available
- 3.5. Melting point/range: Not available
- 3.6. Boiling point: Not available
- 3.7. Bulk density: 1.5g/cm³
- 3.8. Solubility: Soluble

4. Stability/Reactivity

- 4.1. Chemical Stability: Stable under normal temperatures and pressures
- 4.2. Shelf Life: 24 months period
- 4.3. Hazardous decomposition: carbon oxides (CO, CO₂).
- 4.4. Hazardous polymerization: Will not occur
- 4.5. Incompatible with: oxidizing agents

5. Handling/Storage

- 5.1. Storage: Kept in dry, cool, and shaded place with original packaging, avoid moisture, store at room temperature.
- 5.2. Handling precaution: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

6. Exposure Control

- 6.1. Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.
- 6.2. Respiratory protection: NIOSH/MSHA or European Standard EN 149 approved respirator
- 6.3. Eye Protection: Protective eyeglasses or chemical safety goggles
- 6.4. Skin Protection: Wear appropriate protective gloves and clothes to minimize skin contact.
- 6.5. Other: Consult professionals if Modified Starch need to be handled under some special conditions.

7. Hazards Identification



- 7.1. Hazardous overview: Modified Starch is Slightly hazardous in case of inhalation (irritant), of eye contact (irritant), of ingestion, of skin contact.
- 7.2. Contact with eyes: May cause eye irritation.
- 7.3. Contact with skin: May cause skin irritation.
- 7.4. Ingestion: May cause irritation of the digestive tract.
- 7.5. Inhalation: May cause irritation to the respiratory tract and gastrointestinal
- 7.6. Other: Not Applicable

8. First Aid Measures

- 8.1. Contact with eyes: Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.
- 8.2. Contact with skin: Wash with soap and water- get medical attention if irritation occurs.
- 8.3. Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
- 8.4. Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

9. Fire and Explosion Data

- 9.1. General information: May be combustible at high temperature.
- 9.2. Flash point: Not available
- 9.3. Ignition control: Avoid Daidzein ignition sources Modified Starch Powder might be generated.
- 9.4. Dust control: Keep the handling area with adequate ventilation
- 9.5. Extinguishing Media: Not available
- 9.6. Spills/Leaks: Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid.

10. Transport Information

- 10.1. No special requirements and no restrictions on transportation by land, sea or air.

11. Ecological Information

- 11.1. Modified Starch is fully degradation biodegradable. The product itself and its products of degradation are not toxic

12. Other Information

- 12.1. This Safety Data Sheet of Modified Starch is based upon a limited review of Foodchem International Corporation files and standard Toxicological handbooks. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Foodchem International Corporation be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Foodchem International Corporation has been advised of the possibility of such damages.

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