

## MATERIAL SAFETY DATA SHEET

# CORNSTARCH

# MSDS

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** CORNSTARCH  
**Product Use:** Personal Care Formulations  
**Company Name:** Natural Sourcing  
**Company Address:** 341 Christian Street, Oxford, CT 06478, USA  
**Date Issued:** 8/19/2008  
**Emergency Telephone Number:** Chemtrec Tel: (800) 262-8200

### 2. COMPOSITION/INGREDIENT INFORMATION

**Hazardous Components:**

**Nuisance Dust**

(Total Dust): OSHA PEL: 15 mg/M<sup>3</sup> ACGIH TLV : 10 mg/M<sup>3</sup>  
(Respirable Fraction): OSHA PEL: 5 mg/M<sup>3</sup> ACGIH TLV:

**CAS #:** 9005-25-8

### 3. HAZARDS IDENTIFICATION

**Primary Route of Entry:** Inhalation  
**Eye Contact:** Dust may be irritating to eyes  
**Skin Contact:** No hazard  
**Ingestion:** No hazard  
**Inhalation:** Dust may be irritating to nose, lungs and respiratory system

### 4. FIRST AID MEASURES

**Eyes:** Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.  
**Skin:** Wash with soap and water  
**Ingestion:** N/A  
**Inhalation:** Remove to fresh air. Seek medical attention if symptoms persist.  
**Medical Conditions Generally Aggravated by Exposure:** None

### 5. FIRE FIGHTING MEASURES

**Flash Point (Method Used):** N/A  
**Flammable Limits** LEL: N/A  
UEL: N/A  
**Hazardous Combustion Products:** None

- Extinguishing Media:**
- Dry Chemical
  - Carbon Dioxide
  - Water
- Special Firefighting Procedures:**
- Avoid procedures which could cause dust cloud formation
- Unusual Fire & Explosion Hazards:** Product dust may form an explosive mixture with air. Avoid conditions which produce dust.

#### 6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- Personal Protection:** N/A
- Environmental Protection:** N/A
- Methods for Cleaning Up:**
- Vacuum up with explosion proof vacuum cleaner.
  - Wash area with soap and water. Area may be slippery; take precautions.

#### 7. HANDLING AND STORAGE

##### Handling

- Safe Handling:**
- Wear safety glasses.
  - Keep away excessive heat

##### Storage

**Requirements for Storage Areas and Containers:** Store in a cool, dry location, in a sealed container in a well ventilated area.

#### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

- Engineering Controls:** Provide mechanical exhaust when dumping bags
- Personal Protection**
- Eye:** Safety glasses should be worn.
- Skin/Body:** Lab coats and gloves may be worn.
- Respiratory:** Not needed under normal conditions of use. Use adequate ventilation or NIOSH-approved respiratory devices if dumping bags.
- Ventilation:** Desirable when dumping bags
- Other:** Evaluate need based on application. Slip proof shoes may be worn where spills may occur.
- Work/Hygiene Practice:** Normal work and hygiene practices for handling non-hazardous powdered material.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical State:** Powder
- Color:** Off white
- Odor:** Characteristic, starch-like
- Specific Gravity (H<sub>2</sub>O = 1):** N/A
- Vapor Pressure (mm Hg.):** N/A
- Vapor Density (AIR = 1):** N/A
- Flash Point:** ° C
- Boiling Point:** ° C
- Melting Point:** ° C
- Evaporation Rate:** N/A

Solubility in Water: Negligible

#### 10. STABILITY AND REACTIVITY

Stability: Stable  
Conditions to Avoid: Practices which produce dust  
Incompatibility (Materials to Avoid): Avoid strong oxidizers  
Hazardous Decomposition or Byproducts: Oxides of carbon  
Hazardous Polymerization: Will Not Occur

#### 11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Exposure: Dust may be irritating to eyes and nose  
Toxicity Data: Non Toxic  
Medical Conditions Generally Aggravated by Exposure: None  
Carcinogenicity: No (NTP, IARC)  
Reproductive Toxicity: No  
Teratogenicity: No  
Mutagenicity: No

#### 12. ECOLOGICAL INFORMATION

Ecological Information: No ecological hazards are associated with this product.

#### 13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Do not put into sewer lines. Dispose of according to local, state and federal regulations.

#### 14. TRANSPORT INFORMATION

DOT Classification: Not regulated  
Class/Division: Not restricted

#### 15. REGULATORY INFORMATION

#### 16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.  
This product is not considered hazardous.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.