



MATERIAL SAFETY DATA

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May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910, 1200, Standard must be consulted for specific requirements.

SECTION 1

Product Name: Midsol™ 50
Chemical Name: Wheat Starch, Unmodified
CAS Number: 009005-25-8
Manufacturer's Name: MGP Ingredients, Inc.®
Address: 100 Commercial Street, P.O. Box 130
City, State and ZIP: Atchison, Kansas 66002
Emergency Telephone No: 913-367-1480 **Date Revised:** March 11, 2009

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s)):

1. Starch

Item No:	OSHA PEL:	ACGIH TLV:	Other Exposure Limits:	% (optional):
1.	15 mg/m ³	10 mg/m ³	None	93

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: N/A
Specific Gravity (H₂O=1): About 1.5
Vapor Pressure (mm Hg): N/A
Vapor Density (Air=1): N/A
Solubility in Water: Negligible
Reactivity in Water: None
Appearance and Odor: White with bland odor
Melting Point: Decomposes before reaching melting point

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point: N/A (Method Used: N/A)
Flammable Limits in Air % by Volume: LEL Lower = 0.04 oz/ft³, UEL Upper = N/A
Auto-Ignition Temperature: N/A
Extinguisher Media: Water, Carbon Dioxide, Dry Chemical Extinguisher
Special Fire Fighting Procedures: Avoid formation of a cloud of starch dust
Unusual Fire and Explosion Hazards: Starch dust may form an explosive mixture with air

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Stable
Conditions to Avoid: Avoid conditions which produce starch dust
Incompatibility (Materials to Avoid): Oxidizing agents
Hazardous Polymerization: Will not occur
Conditions to Avoid: None

SECTION 6 - HEALTH HAZARDS

1. **Acute:** None

2. **Chronic:** None

Signs and Symptoms of Exposure: Starch dust may be irritating to nose and eyes.

Medical Conditions Generally Aggravated by Exposure: People with respiratory ailment may be sensitive to starch dust.

Chemical Listed as Carcinogen or Potential Carcinogen: No

National Toxicology Program: No

I.A.R.C. Monographs: No

OSHA: No

Emergency and First Aid Procedures: Seek medical advice if nose, eyes, skin, and stomach irritation develops on exposure.

ROUTES OF ENTRY

1. Inhalation: Remove person to fresh air. Consult a medical doctor if breathing difficulty develops.
2. Eyes: Wash profusely with running water. If eyes get irritated, ask for medical advice.
3. Skin: Wash with soap and water. If irritation develops, seek medical attention.
4. Ingestion: If swallowed in large quantities, get medical advice.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage:

Store in a cool, dry, and ventilated area away from heat and oxidizing agents. Avoid formation of starch dust.

Other Precautions:

None

Steps to be Taken in Case Material is Released or Spilled:

Sweep up. Avoid production of a cloud of starch dust.

Waste Disposal Methods (Consult federal, state, and local regulations):

Dispose of in accordance with Federal, State and Local Regulations. This product is bio-degradable.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type): Use a dust/mist respirator as needed.

Ventilation: Recommended

Local Exhaust: Recommended

Mechanical: Recommended

Special: None

Other: None

Protective Gloves: Wear gloves as needed

Eye Protection: Safety goggles good practice

Other Protective Clothing or Equipment: None

Work Hygienic Practices: Protect containers of material from physical damage. Maintain eye wash fountain in the work place.

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