



Iowa Corn Processors
Quality Products From Maize

20481 Sycamore Avenue
Glidden, Iowa 51443
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SAFETY DATA SHEET

1. Identification

Product Identification: Corn flour, degermed
Intended use: Food manufacturing
Manufacturer: Iowa Corn Processors
Address: 20481 Sycamore Ave. Glidden, IA 51443
SDS Information: Jill Karalis
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2. Hazard Identification

Classification according to 29 CFR 1910, amended to conform to the United Nations' Globally Harmonized System of Classification and Labeling of Chemicals (GHS): Hazards Not Otherwise Classified – Combustible Dust.

Warning: Under certain conditions and concentrations, dust can be combustible. (Minimum Ignition Concentration – 38-140 g/m³**)

Warning Health: This dust can aggravate pre-existing respiratory conditions such as allergies or asthma.

Warning Health: Nuisance dust can cause irritation in eyes and on skin.

**Refer to NFPA 61, "Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities"

3. Composition

Component: Corn/Maize Flour
Weight %: 99-100%
CAS-No: 68525-86-0
North American Hazard Indicator: None known

4. First Aid Measures:

Eyes: Flush with water, also under eyelids, if irritation persists contact a physician.
Skin: Wash with soap and water.
Inhalation: Remove individual from exposure and move to fresh air.
Ingestion: Health injuries are not known or expected under normal use (long history of safe use in food). If individual shows signs of sensitization, allergenicity, or other adverse effects, seek medical advice.

5. Fire-Fighting Measures:

Flammable Properties: Powdered material may form explosive dust-air mixtures. Fine dust dispersed in air may ignite. Risk of ignition followed by flame propagation or secondary explosions should be prevented by avoiding accumulation of dust, e.g. on floors and ledges.

Suitable Extinguishing Media: Water spray. Carbon dioxide (CO₂) dry chemical.

Unsuitable Extinguishing Media: None known

Hazardous Combustion Products: Carbon monoxide (CO), carbon dioxide (CO₂).

Specific Hazards Arising from the Chemical: Keep product and empty container away from heat and sources of ignition.

Sensitivity to Mechanical Impact: No information available.

Sensitivity to Static Discharge: Yes, as dust.

NFPA:

Health: **0**

Stability and Reactivity: **0**

Flammability: **1**

Physical hazard: **None known**



6. Accidental Release Measures:

Personal Precautions: Avoid dust formation. Use personal protective equipment.

Spillage: Clean up by brushing down, broom sweeping, shoveling, or appropriately rated vacuum. Discard by local, state, or federal regulations.

7. Handling and Storage:

Handling: Do not handle in a way that creates excess dust as it can become flammable/combustible in concentration with an ignition source.** Ensure adequate ventilation.

Storage: Store in cool, dry, well-ventilated environment.

**Refer to NFPA 61, "Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities"

8. Exposure Controls/Personal Protection:

ACGIH TLV: TWA 0.5 mg/m³

Particulates Not Otherwise Regulated (PNOR)

OSHA PEL – Total Dust: 15 mg/m³

OSHA PEL – Inhalable Fraction: 5 mg/m³

Cal/OSHA PEL – Total Dust: 10 mg/m³

Cal/OSHA PEL – Inhalable Fraction: 0.5 mg/m³

Eyes: Safety glasses or goggles, if needed.

Skin: Cover exposed skin, if necessary.

Hygienic: Handle in accordance with good personal and industrial hygiene and safety practices.

Respiratory: Dust masks or NIOSH/MSAA approved respirators that are rated for fine dust.

Ventilation: Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits. However, it is the duty of the user to verify this and follow given exposure limits at the workplace.

9. Physical and Chemical Properties:

Appearance: Bright yellow to pale yellow powder.

Odor: Cereal

Odor Threshold: N/A

Boiling Point: N/A

Vapor Pressure: N/A

Bulk Density: 36 lbs/ft³

Solubility: <1% in water

Specific Gravity: >1.0; ~1.3-1.4

Flash Point: N/A

Evaporation Rate: N/A

Vapor Density: N/A

Explosion Limits: 38-140 g/m³

10. Stability and Reactivity:

Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: None under normal processing.

Conditions to Avoid: Avoid dust formation. Avoid high humidity or wet storage conditions.

Incompatible Materials: No materials to be especially mentioned.

Hazardous Decomposition Products: None known.

11. Toxicological Information:

Acute Toxicity	Based on available data, no evidence of acute toxicity. (Long history of safe use in food).
Skin corrosion/irritation	Based on available data, not, or only slightly irritating.
Serious eye damage/eye irritation	Based on available data, no evidence of serious eye damage / irritation.
Respiratory or skin sensitization	Based on available data, not expected to be a skin or respiratory sensitizer.
Germ cell mutagenicity	Not classified. (Long history of safe use in food).
Carcinogenicity	No evidence of carcinogenicity.
Reproductive Toxicity	Not classified. (Long history of safe use in food).
STOT – single exposure	No evidence of toxicity.
STOT – repeated exposure	No evidence of toxicity.
Aspiration hazard	Based on available data, no known aspiration hazard.

12. Ecological Information:

Ecotoxicity: Contains no substances known to be hazardous to the environment. Contains no substances known to be not degradable in waste-water treatment plants.

Persistence/Degradability: Readily biodegradable.

Mobility: Dispersible in water.

13. Disposal Considerations:

Waste Disposal Methods: Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction.

Packaging: Empty containers should be taken for local recycling, recover, or waste disposal.

14. Transportation Information:

DOT Shipping Description: N/A – not hazardous for transportation.

15. Regulatory Information:

Federal Regulations

Ozone Depleting Substances: No Class I or Class II material is known to be used in the manufacture of, or contained in, this product.

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372.

SARA 302: Section 302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 302.

SARA 311/312 Hazardous Categorizations

Acute Health Hazard – No

Chronic Health Hazard – No

Fire Hazard – No

Sudden Release of Pressure Hazard – No

Reactive Hazard – No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 63): This product is not known to contain any HAPs.

State Regulations

State Right-to-Know: No known components subject to “Right-to-Know” legislation in the following states: Massachusetts, Minnesota, New Jersey, and Pennsylvania.

16. Additional Information:

Revision Date: 6/15/2016

Reason for Revision: New SDS format. Hazard classification updated. This version replaces all previous versions. The information provided on this (M)SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.