



PATRIOT GRAHAM FLOUR
Safety Data Sheet

Patriot Graham Flour

1. Identification:

Product Identification: **Patriot Graham Flour**

Intended Use: **Food Manufacturing**

Manufacturer: Star of the West Milling Co.

Address: 121 E. Tuscola St., Frankenmuth, MI, 48734

SDS Information: **CO-EHS-918-06**

Phone: 800-968-9992

Address: 121 E. Tuscola St., Frankenmuth, MI, 48734

Fax: 989-652-7013

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 – 60 g/m³ **)

Warning Health: This dust can aggravate pre-existing respiratory conditions such as allergies or asthma. Wheat is a known allergen.

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

OSHA/GHS Label Elements: Not applicable due to FDA Labeling Exemption.

3. Composition:

Component: Wheat Flour

Weight %: 99-100%

CAS-No: 130498-22-5

North American Hazard Indicator: None known

4. First Aid Measures:

General Advice: Contains wheat, and may trigger an allergic reaction.

Eyes: Flush with water, 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. If individual shows signs of sensitization, allergy, or other adverse affects, 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

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



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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.

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: White to cream powder.

Odor: Natural grain odor of wheat.

Odor Threshold: N/A

Boiling Point: N/A

Solubility: In water, Yes.

Specific Gravity: N/A

Flash Point: N/A

Evaporation Rate: N/A

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Vapor Pressure: N/A
Bulk Density: 20-30 lbs/cu. ft

Vapor Density: N/A
Explosion Limits: 60 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, recovery 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.



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SARA 311/312 Hazardous Categorization

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. Pennsylvania.

16. Additional Information:

Revision Date:

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.
