



PO BOX 440
PENN YAN, NY 14527

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PRODUCT SPECIFICATIONS

BUCKWHEAT PRODUCT #3 AND #4

Product Name: Buckwheat Product #3 and #4 (Ground Buckwheat Hulls)

General Description: A food grade product produced by mechanical harvesting, cleaning, and mechanical milling of buckwheat hulls.

Typical Analysis

Properties: Appearance: Black and Brown Speckled Flour, medium-fine grind
Odor: Minimal odor, free of rancid or any off odors

Analysis:	Chemical Content			
	Moisture (%)	12.0	+/-	2.0
	Protein (% DB)	4.0	+/-	.5
	Fat (% DB)	.6	+/-	0.2
	Ash (% DB)	1.6	+/-	0.2
	Crude Fiber (% DB)	43.5	+/-	1.0
	Total Dietary Fiber (% DB)	82.0	+/-	2.0

Physical:	Test Weight (11lb/cu ft)	29.0	+/-	4.0
Particle Size:	On US #30 (%)	0.0		
	On US #40 (%)	0.0		
	On US #60 (%)	0.0-4.0		
	On US #80 (%)	56.0-60.0		
	On US #100 (%)	0.0-1.0		
	(thru #100) (%)	40.0-44.0		

Foreign Matter: minimal

Chemical Contamination: None detectible at a detection level of 1.0 ppb (including mycotoxins and all synthesized chemicals).

Micro Count:	Standard Plate Count	300,000 cfu/g maximum
	Aflatoxin:	<5 ppb
	(sum of B1, B2, G1, and G2)	
	Mold & Yeast	50,000 cfu/gram maximum
	E. Coli:	Negative*
	Coliform:	300 cfu/gram maximum
	Salmonella:	Negative*

The above information is a typical analysis based on laboratory testing of randomly selected samples. Actual analytical data may vary.

* Not detectable (<1.0ppb)



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Material Safety Data Sheet

Product Name: **Ground Buckwheat Hulls**
Chemical Name: n/a
CAS Number: none

Hazardous Ingredients: none known
Hazardous Information:

Carcinogenic: not listed
LD50: n/a
TLV: n/a
OSHA PEL: n/a

Physical Data

Boiling Point:	n/a	Appearance:	Granular, black/brown particle
Melting Point	n/a	Vapor Pressure:	n/a
Lbs. per Cu. Ft.:	36	Vapor Density:	n/a
Solubility in Water:	n/a	Evaporation rate:	n/a

Fire and Explosion Data

Extinguishing Media: Water, spray, CO₂, Dry Chemical
Unusual Fire and Explosion Hazards: Airborne Dust is sufficient
Concentrations when confined
Exposed to a sufficient ignition, source can explode

Explosibility Index:	n/a	Ignition Sensitivity:	2.1
Explosion Severity:	n/a	Ignition Temperature:	aprox. 380°C cloud or layer

Reactivity Data

Stability:	Stable	Hazardous Decomposition/Byproducts:	n/a
Incompatibility (materials to avoid):	n/a	Byproducts:	n/a
Conditions to avoid:		Hazardous Polymerization:	n/a

Open flames, sparks, ignition sources

Spill, Leak, and Disposal Data

Steps to be taken if material is released or spilled: Sweep or scoop up and remove. Flush with water.

Waste disposal method: According to federal, state, and local regulations.

Health Hazard Data

Toxicity:	N/A	Corrosivity:	N/A
ACGIH:	None established	Carcinogenicity:	None
OSHA:	None established	Lung Effects:	N/A
Irritation:	Mild skin/eye if at all	Sensitization:	Allergen in some cases

First Aid Procedures

Ingestion: N/A
Dermal: Flush with soap and water, if allergic.
Eye Contact: Flush with water for 15 minutes, get medical attention if allergic, or if irritation persists.
Inhalation: Remove to fresh air, if allergic.

Special Protection Information

Ventilation: Local Exhaust: If dust is a problem. Respiratory: NIOSH approved Dust mask for nuisance
Mechanical: N/A particulates if needed.
Special: N/A Protective Gloves: N/A
Eye Protection: Goggles as needed.

Special Handling

Precautionary Labeling: None required.

Other Handling and Storage Conditions: Store in cool, dry space. No welding inside bulk bins that contain flour -- must be free of flour.

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