

MATERIAL SAFETY DATA SHEET
Wheat Germ Lectin, Cat. # 300

Bio-Research Products, Inc.
323 W. Cherry St.
North Liberty, IA 52317
Phone # 800-326-3511
Fax # 319-626-2240

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Emergency Contact Person:
Bryce A. Cunningham, Ph.D. Phone: 1-800-326-3511
Phone number is available 24 hours, 7 days a week

SECTION 1 - PRODUCT INFORMATION

Product ID: Lectin from Wheat Germ, Cat.# 300
Synonyms: Wheat Germ Agglutinin, WGA, WGL, Lectin from *Triticum vulgare*
Product Use: Biochemical manufacturing

SECTION 2 - INGREDIENTS

Pure lectin extracted from wheat germ, a salt free lyo powder.

SECTION 3 - PHYSICAL PROPERTIES

Form/Appearance:	white crystalline powder	
	Typical Low-RANGE-High	Unit of Measure
Sp. Gravity:	NOT AVAILABLE	
Bulk Density:	NOT AVAILABLE	
Viscosity:	NOT AVAILABLE	
pH:	NOT AVAILABLE	
	Typical Low-RANGE-High	Deg. @ Pressure
Boiling Pt:	NOT AVAILABLE	C 1.0 ATMOSPHERES
Freezing Pt:	NOT AVAILABLE	C 1.0 ATMOSPHERES
Decomp. Tmp:	NOT AVAILABLE	
Solubility in Water Description: Soluble		

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point: NOT AVAILABLE
Autoignition: NOT AVAILABLE
Extinguishing Media:
Use foam, CO2 or dry chemical extinguishing media.
Fire Fighting Procedures:
Firefighters should be equipped with self-contained breathing apparatus and turn out gear.
Unusual Hazards:
Dust-air mixtures may ignite or explode.
Additional Fire and Explosion Data:
None known.

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SECTION 5 - HEALTH EFFECTS

Acute Overexposure Effects:

May be harmful if inhaled, ingested or absorbed by skin. Agglutinates human red blood cells.

Chronic Overexposure Effects:

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

First Aid Procedures - Skin:

Flush with copious amounts of water for at least 15 minutes. Remove and launder contaminated clothing before reuse. Call a physician.

First Aid Procedures - Eyes:

Immediately wash eyes with running water for 15 minutes. Call a physician.

First Aid Procedures - Ingestion:

If swallowed, wash out mouth and give water. Never give fluids or induce vomiting if the victims unconscious or having convulsions. Get immediate medical attention.

First Aid Procedures - Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

First Aid Procedures - Special Precautions:

None known.

SECTION 6 - REACTIVITY DATA

Reactivity - Stability Data: Stable.

Reactivity - Incompatibility:

None known

Reactivity - Conditions/Hazards to Avoid:

None known.

Reactivity - Hazardous Decomposition/Polymerization: None known.

Hazardous decomposition products: None known.

Polymerization: Does not occur.

Reactivity - Corrosive Properties:

Not corrosive.

Reactivity - Oxidizer Properties:

Not an oxidizer.

Other Reactivity Data:

None known.

SECTION 7 - PERSONAL PROTECTION

Personal Protection - Clothing:

Glove, coveralls, apron, boots as necessary to prevent skin contact.

Personal Protection - Eyes:

Chemical goggles; also wear a face shield if splashing hazard exists.

Personal Protection - Respiration:

Wear a NIOSH approved respirator.

Personal Protection - Ventilation:

Use local exhaust to control dust.

Other Personal Protection Data:

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None under normal conditions.

SECTION 8 - SPILL / LEAK PROCEDURES

Spill/Leak Procedures - General:

Spills should be contained, solidified and placed in suitable containers for disposal in a licensed facility. Wear appropriate respiratory protection and protective clothing and provide adequate ventilation during clean-up.

Spill/Leak Procedures - Waste Disposal:

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

Spill/Leak Procedures - Container Disposal:

Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

Other Spill/leak Procedures:

No other spill procedures necessary.

SECTION 9 - STORAGE AND HANDLING

Storage and Handling - General:

Store at 5⁰ C, desiccated.

Other Storage and Handling Data:

Bring to room temperature before opening container to minimize the absorption of water.

SECTION 10 - REGULATORY INFORMATION

TSCA Inventory Status: This product is a mixture. All components are listed.

CERCLA Reportable Qty: NONE

Hazard Ratings:

Health:	Fire:	Reactivity:	Special:
2	1	0	

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