



Product No. RN170

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# MycoPul®

## Advanced Binder Complex

### Features & Benefits\*

MycoPul® employs multiple targeted binders to remove mycotoxins (toxins produced by mold), heavy metals, and other environmental toxins from the GI tract. Because each mycotoxin is unique and responds differently, MycoPul's proprietary MycoPlex™ blend is formulated with multiple ingredients intended to bind and remove the most prevalent mycotoxins.

Included in MycoPlex™ is a patented, purified, and natural form of zeolite: G-PUR® Zeolite Clinoptilolite. G-PUR® uses a proprietary purification process to remove any contaminants it may have bind to more toxins within the GI tract.

### Each Serving Includes:

Features	Constituents/ Actions	Benefits*
<b>MycoPlex™ Binder Complex</b>	PureBind™ Humic Acid and Fulvic powder blend with trace minerals	<ul style="list-style-type: none"> <li>• Unique humic powder containing 70% humic acids, compared to 30% humic acids found in most generic humic powders.</li> <li>• Derived from unique peat bog in Europe known for its low amount of environmental contamination and high potency.</li> <li>• Humic and fulvic are general binders for mycotoxins and used specifically for Aflatoxins from Aspergillus in food</li> </ul>
	Activated Charcoal	<ul style="list-style-type: none"> <li>• Supports removal of Ochratoxins, Aflatoxins, Trichothecenes, and Zearalenone</li> </ul>
	G-PUR® purified Zeolite (Clinoptilolite)	<ul style="list-style-type: none"> <li>• G-PUR® Zeolite is a unique form of zeolite that is quality controlled and put through a patented purification process to remove heavy metals and contaminants</li> <li>• G-PUR® Zeolite is of the clinoptilolite form, which has a high ion exchange capacity allowing it to bind more mycotoxins and heavy metals than other zeolite forms</li> <li>• High affinity for binding ammonia which promotes healthy glial, liver and kidney function</li> </ul>
	Microchitosan	<ul style="list-style-type: none"> <li>• Microchitosan can support healthy removal of fungus from the body</li> <li>• Supports removal of Ochratoxin and heavy metals</li> </ul>
	Silica	<ul style="list-style-type: none"> <li>• Aids aluminum removal from the body, essential for brain health</li> </ul>

### Supplement Facts

**Serving Size: 1 Capsule**  
**Servings Per Container: 30**

Amount Per Serving	%Daily Value**
<b>MycoPlex™</b>	<b>600 mg †</b>
Activated Charcoal, PureBind™ Humic Acid, Fulvic Acid, G-PUR® Purified Zeolite Clinoptilolite, Microchitosan, Silica (from Bamboo Extract)	

\*\* Percent Daily Values are based on a 2,000 calorie diet.  
 † Daily Value not established.

**Other Ingredients:** Hypromellose (vegetable capsule)

**Contains:** Shellfish (snow crab)

Manufactured without milk, eggs, fish, tree nuts, peanuts, wheat, soy, corn and gluten. Produced in a facility that may process other ingredients containing these allergens.

previously bound to from soil, enabling it to Other forms of zeolite have high aluminum to silica ratios reducing their binding ability. Our clinoptilolite form is more stable, does not break down in the body and has high affinity for binding ammonia. Our MycoPlex™ blend also contains PureBind™ humic acid, sourced from a particular peat bog in Europe known to produce the purest and most potent humic acid available.

MycoPul® is a complete targeted binder with a high dose of safe ingredients for more vigorous removal of mycotoxins.

### Mechanisms of Action

- Binds to mycotoxins within the gastrointestinal tract to facilitate removal
- Decreases reabsorption of mycotoxins through enterohepatic circulation
- Multiple binders target specific mycotoxins from various mold species
- Binds with environmental toxins to facilitate removal

### Suggested Use

As a dietary supplement, take 1 capsule once daily on an empty stomach (at least 2 hours after eating or 1 hour before eating) or as directed by your healthcare professional. It is recommended to take a multi-mineral such as Core Minerals™ at the opposite time of day while using MycoPul®.

### Cautions

If pregnant or nursing, consult your healthcare professional before use.



P.O. Box 224, Los Olivos, CA, 93441 | 800.755.3402 | ResearchedNutritionals.com  
 Available only through healthcare professionals

\*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.

# Mycotoxin pathways in the body

## Key Concepts

Molds are abundantly present in our environment. Many molds produce mycotoxins known to be harmful to humans. When mold spores are inhaled or ingested, the immune system attempts to combat the mold, which causes the release of mycotoxins into the body. These mycotoxins cause an increase in inflammatory cytokines within the body, which can cause multiple systemic symptoms. Certain genetically predisposed people cannot mount an effective immune response, which would typically allow the body to generate antibodies toward the mycotoxins. This genetic inability creates a dysregulated immune response.

Mycotoxins decrease the body's ability to detoxify, which increases demand and strain on the liver and digestive system. As a detoxification countermeasure, the **body attempts to concentrate mycotoxins within the liver to bind them to bile.** The mycotoxins, now bound to the bile, are released into the gastrointestinal system. **Because the body naturally attempts to conserve bile** by reabsorbing it back into the liver via enterohepatic circulation, **this results in reabsorption of bile containing bound mycotoxins. Therefore, the mycotoxins remain in the body where they continue to wreak havoc.**

**Specific binders can bind to the mycotoxins within the gastrointestinal tract, removing them from the bile,** thus preventing reabsorption into the liver. The bound mycotoxins are then expelled from the body through the digestion process. By eliminating mycotoxins, we decrease their ability to activate inflammatory cytokines, which are known to prevent healthy detoxification and may dysregulate immune response.

**Patient Benefit:** Binders help facilitate the removal of mycotoxins from the body safely through the digestive tract.

### Research Suggests:

- Mycotoxins cause damage in the body through inflammation, oxidative stress, topical (dermal toxicity), and allergic reactions
- Mold can infect and colonize the body
- Binders, also known as sequestering agents, can lower mycotoxin levels and endotoxins **in the body**
- **Glutathione assists with oxidative stress induced by mycotoxins and increases the secretion of mycotoxins to be removed from the body by binders**