



# Safety Data Sheet

Report Date 08-Feb-17

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## 1. Identification

**Product Name** : Myco-Vam Plus 6-3-3  
**Synonyms** : None  
**Product Use** : Natural Fertilizer Plus Mycorrhizae  
**Manufacturer/Supplier** : Helena Chemical Company  
**Address** : 225 Schilling Blvd. Collierville, TN 38017  
**General Information** : 901-761-0050  
**Transportation Emergency Number** : CHEMTREC:800-424-9300

## 2. Hazard Identification

**Signal Word** : None (no symbol)  
**Skin Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Eye Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Acute Toxicity Oral** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Acute Toxicity Dermal** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Hazard Categories** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Hazard Statement** : Not Hazardous

## 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Plant nutrient derived from blood meal, feather meal, meat meal, bone meal, sulfate of potash and iron sulfate.	Proprietary	100.00
Also contains the following species of vesicular arbuscular mycorrhizae:	Proprietary	
Glomus intraradices		20 propagules/cm <sup>3</sup>
Glomus etunicatum		5 propagules/cm <sup>3</sup>
Glomus clarum		5 propagules/cm <sup>3</sup>
Contains Granusol Iron 50% which is made of the following components:	Nonhazardous	
Iron oxide	8047-67-4	
Quartz	14808-60-7	
Amorphous Silica	112962-00-8	

## 4. First Aid Measures

**Eye** : Immediately flush with water for at least 15 minutes. Particulate matter may be irritating. Seek medical attention if irritation persists.  
**Skin** : Wash thoroughly with soap and water. If irritation persists, seek medical attention.  
**Inhalation** : Move person to fresh air. If irritation develops or persists, seek medical attention.  
**Ingestion** : For small amounts, drink plenty of water. If more than a mouthful is ingested, purge by vomiting, but only if person is conscious. Seek medical attention.  
**Indication of Immediate Medical Attention and Special Treatment Needed** : In the event of an adverse response, treatment should be directed toward control of the symptoms.

## 5. Fire Fighting Measures

**Extinguishing Media** : Material will not burn but may char or smolder. Use water or carbon dioxide.



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**Specific Hazards Arising from the Chemical** : May emit corrosive fumes when charred by intense heating.  
**Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing.

### 6. Accidental Release Measures

**Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.  
**Protective Equipment** : Dust mask may be needed to avoid inhaling product. Rubber or plastic gloves, chemical goggles or safety glasses with side shields, long-sleeved shirt and long pants, shoe and socks. Eyewash recommended.  
**Emergency Procedures** : No special procedures required.  
**Methods and Materials for Containment and Cleanup** : Sweep or vacuum up spilled product. Dispose of as soil. If uncontaminated, reuse as intended.

### 7. Handling and Storage

**Precautions for Safe Handling** : Keep out of reach of children. Avoid contaminating water supplies, lakes, streams or ponds.  
**Conditions for Safe Storage** : Do not store with food, feed or other material to be used or consumed by humans or animals. Avoid storage in moist or wet areas. Keep containers tightly closed. Use good housekeeping practices.

### 8. Exposure Controls / Personal Protection

**TLV/PEL** : No exposure limits established for mixture or components.  
**Appropriate Engineering Controls** : Exhaust fan recommended to control dusting.  
**Personal Protective Equipment** : Dust mask may be needed to avoid inhaling product. Rubber or plastic gloves, chemical goggles or safety glasses with side shields, long-sleeved shirt and long pants, shoe and socks. Eyewash recommended.

### 9. Physical and Chemical Properties

**Odor/Appearance** : Dark brown, coarse granules. Slight ammonia odor.  
**Flash Point, °F** : Not applicable  
**Boiling Point, °F** : Not applicable  
**Melting Point(Freezing point), °C** : Not applicable  
**Vapor Pressure, mm Hg @ 20 °C** : Not applicable  
**Vapor Density** : Not applicable  
**Solubility in Water** : Insoluble suspension  
**Molecular Formula** : Not applicable, formulated mixture.  
**Density, g/mL @ 25 °C** : 0.8  
**Evaporation Rate(Butyl Acetate = 1)** : Not applicable  
**Octanol/Water Partition Coefficient** : Not applicable  
**pH** : No information found  
**Flammable Limits (approximate volume % in air)** : Not applicable  
**Auto-ignition Temperature** : No information found  
**Decomposition temperature** : >400 Degrees F.



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### 10. Stability and Reactivity

- Reactivity** : Not reactive
- Chemical Stability** : Stable
- Hazardous Decomposition** : Ammonia may form if product is heated or oxidized.
- Products**
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : Extreme heat or oxidization may form ammonia.
- Incompatible Materials** : Contact with strong alkalis will release ammonia fumes. Avoid contact with strong oxidizers.

### 11. Toxicological Information

- Acute Toxicity (Oral LD50)** : No LD50 data available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Acute Toxicity (Dermal LD50)** : No LD50 data available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Acute Toxicity Inhalation LC50** : No LC50 data available. Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Likely Routes of Exposure** : Not hazardous by any route of exposure.
- Skin Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Eye Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Skin Sensitization** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- Chronic Effects** : None currently known.
- Other Hazards** : None currently known.

### 12. Ecological Information

- Ecotoxicity** : Insignificant ecotoxicity.
- Persistence and Degradability** : No information found
- Bioaccumulative Potential** : No information found
- Mobility in Soil** : No information found
- Other Adverse Effects** : No information found

### 13. Disposal Considerations

- Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

### 14. Transport Information

- UN Proper Shipping Name** : Not regulated by DOT, IATA or IMDG.
- Transport Hazard Class** : None
- UN Identification Number** : None
- Packaging Group** : None
- Environmental Hazards** : No information found
- Transport in Bulk** : No information found
- Special Precautions for Transportation** : None required
- Freight Classification** : Bacteria, Seed or Soil Inoculant (NMFC Item 20380, Class 60)



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## 15. Regulatory Information

National Fire Protection Association Rating :

Health: 0 Fire: 0 Reactivity: 0  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate( Acute) Health: N  
Delayed (Chronic) Health: N  
Sudden Release of Pressure: N  
Fire: N  
Reactive: N

## 16. Other Information

Data of Preparation/Revision : 08-February-2017