



Safety Data Sheet

Report Date 28-Jun-15

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1. Identification

Product Name : MYCO-VAM GRANULAR
Synonyms : None
Product Use : Granular Inoculum
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 : Warning (no symbol)
Skin Irritation : No significant concern
Eye Irritation : Mildly irritating to eyes
Acute Toxicity Oral : No significant concern
Acute Toxicity Dermal : No significant concern

Hazard Categories : Eye Irritation - 2B

Hazard Statement : Causes eye irritation

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Proprietary blend of hydrated silica with auxiliary biotic soil and plant substance arbuscular mycorrhizae, comprised of three species of vesicular mycorrhizal fungi. Active Ingredients: Glomus intraradices: minimum of 75 propagules/cm ³ Glomus aggregatum: minimum of 12.5 propagules/cm ³ Glomus mosseae: minimum of 12.5 propagules/cm ³		100.00

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Ingestion : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.

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



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- Extinguishing Media** : Material is essentially non-flammable. Use extinguishing media appropriate to surrounding materials.
- Specific Hazards Arising from the Chemical** : None currently known.
- Special Fire Fight Proc** : Wear full protective clothing and self-contained breathing apparatus.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Prevent spilled product from entering waterways, lakes, streams, or ponds.
- Methods and Materials for Containment and Cleanup** : If spilled, sweep up material and place into a chemical storage container for reuse, recycling or disposal. May be applied as a soil amendment to fields, if uncontaminated.

7. Handling and Storage

- Precautions for Safe Handling** : Keep locked up and out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal. Keep container tightly closed. Do not allow water to be introduced into the contents of the container.
- Conditions for Safe Storage** : Store in original container only. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established.
- Appropriate Engineering Controls** : Local exhaust normally sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : 15-30 mesh granules, light brown color, no 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** : Not applicable
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.2 - 1.5
- Evaporation Rate(Butyl Acetate = 1)** : Not applicable
- Octanol/Water Partition Coefficient** : No information found
- pH** : Not applicable
- Flammable Limits (approximate volume % in air)** : Not applicable
- Auto-ignition Temperature** : Not applicable.
- Decomposition temperature** : No information found



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10. Stability and Reactivity

- Reactivity** : Not applicable
- Chemical Stability** : Stable
- Hazardous Decomposition** : No unusual fire or explosion hazards are known for this material.
- Products**
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : None currently known.
- Incompatible Materials** : None currently known.

11. Toxicological Information

- Acute Toxicity (Oral LD50)** : No LD50 available. No significant concern.
- Acute Toxicity (Dermal LD50)** : No LD50 available. No significant concern.
- Acute Toxicity Inhalation LC50** : No LC50 available. No significant concern.
- Likely Routes of Exposure** : Eyes
- Skin Irritation** : No significant concern.
- Eye Irritation** : Causes eye irritation.
- Skin Sensitization** : Not listed as a sensitizer.
- Carcinogenic** : Not listed by NTP, IARC, or OSHA.
- Chronic Effects** : None currently known.
- Other Hazards** : None currently known.

12. Ecological Information

- Ecotoxicity** : No information found.
- 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 D.O.T.
- 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** : No information found
- Freight Classification** : Bacteria, Seed or Soil Inoculant (NMFC Item 20380, Class 60)

15. Regulatory Information



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

16. Other Information

Data of Preparation/Revision : 28-June-2015