



Material Safety Data Sheet

1. Identification Product and Company

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|---------------------------|---|
| Product Name | : Vamstar (Granules) |
| Product Code | : VAM - G |
| Chemical Formula | : Mixture |
| Other Designations | : Granule Formulation Containing Vascular Arbuscular mycorrhizae. |
| Company | : Gujarat Life Sciences (P.) Ltd. 9, Krishna Estate, Gorwa, Baroda – 390016, Gujarat – India |
| Emergency Phones | : +91-265-2285611 (Domestic and International) |
| Emergency Fax | : +91-265-2290053 (Domestic and International) |

2. Hazards Identification

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|--|--|
| Emergency Overview | : No known health hazards |
| Primary Entry Routes | : Oral (swallowing), Inhalation |
| Acute Effects (Signs and Symptoms of Overexposure): | |
| Eyes | : May cause mechanical irritation of eyes |
| Skin | : No known hazard |
| Inhalation | : Inhalation of large amounts may cause discomfort |
| Ingestion | : No known hazard |
| Chronic Effects | : No known hazards |
| Target Organs | : None |
| Medical Conditions | |
| Aggravated by Exposure: | None known |
| Carcinogenicity | : None |
| HMIS | : Health – 0, Flammability – 0, Reactivity – 0 |

3. Composition / Ingredients' Information

No Hazardous Ingredients.
Contains naturally-occurring, Vascular Arbuscular mycorrhizae. Vamstar can be used in soil with organic manure. It can also be applied in roots of most vascular plants. See Product label for method of application, dosage and recommendations. Not for food, feed or drug use.

4. First Aid Measures

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|---------------------|--|
| Eyes Contact | : Flush eyes with large amount of water for at least 15 minutes. Remove contact lenses, hold eyelids open to ensure thorough flushing. Get medical attention if irritation persists. |
| Skin Contact | : Wash with soap and water. |
| Inhalation | : Remove person to fresh air. Get medical attention if discomfort persists |
| Ingestion | : Recommended to seek medical attention. |

5. Fire Fighting Measures

| | |
|--|--|
| Flash Point | : None |
| Auto ignition Temperature | : Not Established |
| Explosive Limits | : LEL: Not Applicable UEL: Not Applicable |
| Extinguishing Media | : Not applicable |
| Unusual Fire or Explosive Hazards | : Not Known |
| Fire Fighting Instructions | : No special requirement |

6. Accidental Release Measures

| | |
|-------------------------------------|---|
| Large Spill / Leak Procedure | : Contain spill and recover for use or disposal |
| Small Spills | : Flush area with water |
| Personal protection | : Recommended to wear personal protective equipment |



7. Storage and handling

Storage Requirements : Store in original container in clean, cool and dry place. Use before expiration date printed on package

Handling Precautions : No special handling requirements. Follow normal hygienic and housekeeping standards for agricultural products

8. Exposure Control / Personal Protection

Ventilation : Special ventilation is not required

Protective Clothing / Equipment : No special requirement

Respirator : Not required

Contaminated Equipment : Clean with soap and water

Hygiene : Practice general personal hygiene after using this product. Wash hands with soap and water before eating, drinking or smoking.

9. Physical and Chemical Properties

Physical State : Granule

Color : Black

Odour : Mild

Water Solubility : Partially Soluble

% Volatile volume : Not determined

Specific Gravity : >1

Vapour Pressure : Not determined

Vapour Density : Not determined

pH : 6.5-7.5

Melting Point : Not Determined

Boiling Point : NA

Freezing Point : 4°C

10. Stability and Reactivity

Stability : Stable

Conditions to avoid : None

Hazardous Polymerization : Will not occur

Chemical Incompatibilities : Avoid contact with any chemical

Hazardous products of decomposition : None

11. Toxicological Information

Not any toxic effects on organ or on health

Any toxic effects on eye : Non-irritating

Acute Oral Effects : None

Acute Inhalation Effects : None

Acute Dermal Effects : None

Dermal effect : Non-irritating

Skin Sensitization : Not a skin sensitizer

12. Ecological Information

The product contains non-pathogenic, non-hazardous and non-toxic, naturally occurring constituents and is biodegradable.



13. Disposal Consideration

Disposal : Small amounts of the product which cannot be used according to the label instructions may be disposed off in a landfill

RCRA Waste Status : This product is not regulated as a hazardous waste. State and local regulation may affect the disposal of this product. Consult your state, local or provincial environmental agency for disposal of waste other than by use

14. Transport Information

Transportation Data : This product is not regulated as a hazardous material for all modes of transportation

Hazard Class : Not Applicable

ID No : Not Applicable

15. Regulatory Information

TSCA : All components of this product are listed on TSCA Inventory

SARA Section 313 : Contains no reportable components

OSHA Hazard Classification : Non Hazardous

Proposition 65 : Contains no components subject to warning requirement

WHMIS / Controlled Products Regulations : This products has been classified in accordance with the hazard criteria of the CPR and this MSDS contains all of the information required by the CPR

16. Other Information

Reason for Issue : Update

Prepared By : Pooja Patel

Approved By : Rajesh Umatt

Title : COO

Approval Date : January 1, 2019

Supersedes Date : July 1, 2004

NFPA Ratings

Health : 0

Flammability : 0

Reactivity : 0

Specific Hazard : Not Applicable

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