




SAFETY DATA SHEET (SDS)

1. PRODUCT & COMPANY IDENTIFICATION

Product Name	Symvado Organic
Product Code(s)	AS10122.04.112; AS10123.04.104
Identified Use	Inoculant
Distributor Information	Valent Biosciences LLC
Address	1910 Innovation Way, Suite 100 Libertyville, IL 60048 USA
Manufacturer Information	Mycorrhizal Applications LLC
Address	710 NW E Street Grants Pass, OR 97526 USA
Telephone Number (USA)	877-696-4204
24 Hour Medical Emergency Phone Number	877-315-9819 (PROPHARMA)

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status: Hazard Communication Standard (29 CFR 1910.1200)	
2.1 Classification of the Substance or Mixture	
GHS Classification: Single Exposure: Category 3 Signal Word: Warning Symbol/Pictogram: 	
Hazard Statements: May cause respiratory irritation	
2.2 GHS Label Elements	
Prevention Statements: Avoid breathing dust. Use outdoors or in a well-ventilated area. Response Statements: IF INHALED: Remove victim to fresh air, keep at rest in a position comfortable for breathing. Storage: Store in a dry area. Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.	
2.3 Other Hazards: None known.	

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical/Substance Name	Classification	CAS No.	Concentration (w/w %)
Fullers Earth (Attapulgite-type clay)	Not classified	8031-18-3	93.4%*
Active/Trade Secret – Non-Hazardous	Not classified	None	6.6%*

*Exact percentages vary based on batch-to-batch variability. Ingredients not identified are proprietary or non-hazardous.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures	
Eye Contact	Rinse opened eye for several minutes under running water. If irritation persists or for foreign body in the eye, get medical attention.
Skin Contact	No first aid should be needed.
Ingestion	If symptoms persist consult doctor.
Inhalation	Move to fresh air. If irritation or other symptoms occurs, get medical attention.
4.2 Most important symptoms and effects, both acute and delayed	
Acute: Not known – treat with caution. No information on acute adverse effects. Delayed: Not known – treat with caution. No information on delayed adverse effects.	
4.3 Indication of any immediate medical attention and special treatment needed	
Treat symptomatically and supportively.	

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media and Suitable Extinguishing Media
Use media that is appropriate for surrounding fire.
5.2 Special Hazards Arising from the Substance or Mixture
None known.
5.3 Special Protective Equipment/Procedures for Firefighters
None known.



6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures
No special equipment is required for spill clean-up. For dusty conditions, an approved respirator may be needed. For dusty conditions, an approved respirator may be needed. Refer to Section 8 for additional information.
6.2 Environmental Precautions
Report releases as required by local and federal regulation.
6.3 Methods and Material for Containment and Cleaning Up
Sweep up and collect for proper disposal.

7. HANDLING & STORAGE

7.1 Precautions for Safe Handling
Avoid breathing dust. Ensure good ventilation/exhaustion at the workplace.
7.2 Conditions for Safe Storage, Including any Incompatibilities
Store in a dry area. Avoid consistent temperature above 120 degrees Fahrenheit. Keep container tightly sealed.
7.3 Incompatibilities:
None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Controls	
Chemical Name	15 mg/m3 (total dust) TWA OSHA PEL 5 mg/m3 (respirable dust) TWA OSHA PEL
Engineering Controls	For operations where the exposure limit may be exceeded, local exhaust ventilation is recommended.
8.2 Personal Protective Equipment	
Skin Protection	None required for normal use.
Eye Protection	Safety glasses or goggles if needed to prevent eye contact.
Respiratory Protection	None required for normal use. For operations where the dust concentration may be excessive, a dust respirator may be used. Follow OSHA regulations in the selection and use of respiratory protection.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties	
Property	Value
State	Powder
Appearance	Gray to tan
Odor	Earthy
Odor Threshold	Not applicable
pH	Not applicable
Melting Point /Freezing Point	1710°C / Not applicable
Initial boiling point & range	4046°F (2230°C)
Flashpoint	Not applicable
Evaporation Rate (Butyl acetate=1)	Not applicable
Flammability (solid, gas)	Not applicable
Bulk Density	LEL (Lower): Not applicable UEL (Upper): Not applicable
Vapor pressure	Not applicable
Vapor density (air=1)	Not applicable
Specific Gravity: (H2O = 1)	Not applicable
Solubility in water	Insoluble
Partition coefficient (n-octanol/water)	Not applicable
Autoignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable
Flammability Class	Not applicable
Upper/Lower flammability limits	Not applicable

10. STABILITY & REACTIVITY

10.1 Reactivity	No further relevant information available.
10.2 Chemical Stability	No decomposition if used according to specifications.
10.3 Possibility of Hazardous Reactions	No further relevant information available.
10.4 Conditions to Avoid	No further relevant information available.
10.5 Incompatible Material	No further relevant information available.



10.6 Hazardous Decomposition Products	No dangerous decomposition products known.
---------------------------------------	--------------------------------------------

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects	
Likely Routes of Exposure	
Ingestion	No adverse effects expected with unused material.
Inhalation	Inhalation of dust may cause irritation to the eyes, nose, throat, and respiratory tract.
Eye Contact	Contact with excessive concentrations of dust may cause irritation.
Skin Contact	No known hazard.
Chronic Effects	Inhalation of excessive concentrations of any dust, including this material, may lead to lung irritation and/or injury.
Carcinogenicity Listing	None.
Formulation Toxicology	None currently known.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	No data available for the product. No adverse effects on the environment are expected.
12.2 Persistence and Degradability	No further relevant information available.
12.3 Bioaccumulative Potential	No data available.
12.4 Mobility in Soil	No data available.
12.5 Results of PBT and vPvB Assessment	PBT: Assessments not performed. vPvB: Assessments not performed.
12.6 Other Adverse Effects	None known.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Methods
Dispose of product in accordance with federal, state, provincial, and local regulations. Prevent contamination of environment by wastes. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. US EPA WASTE NUMBER & DESCRIPTIONS: There is no applicable EPA waste number. This product, if discarded, is not expected to be a characteristic or listed hazardous waste.

14. TRANSPORT INFORMATION

14.1 Transport information				
	DOT	IMDG	IATA	TDG
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not regulated under DOT	Not regulated	Not regulated	Not regulated
Hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Special precautions	Consult IMO regulations before transporting ocean bulk. Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code.			

15. REGULATORY INFORMATION

15.1 US Regulations: Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture	
US EPA Toxic Substances Control Act (TSCA)	Components of this product are listed on the EPA TSCA Inventory or exempt from notification requirements.
CERCLA STATUS	This product is not subject to CERCLA release reporting. Many states have more stringent reporting requirements. Report releases as required by local and state regulations.
SARA STATUS	Acute: No Chronic: No CDT: No
SARA 313	None.
RCRA STATUS	Not Listed.
EINECS	Components of this product are listed on the EINECS Inventory or exempt from notification requirements.
State Right-To-Know	Consult applicable national, state provincial or local laws to determine regulations, laws or ordinances which may be applicable.
OSHA HAZARD COMMUNICATION STANDARD	Not defined by the OSHA Hazard Communication Standard, 29 CFR.
15.2 Pesticide Labeling: Not an EPA registered pesticide.	
15.3 International Regulations:	
EU REACH	Contact Mycorrhizal Applications for information regarding REACH status.
Japan MITI	No data available.
AICS	No data available.



16. OTHER INFORMATION

	HMIS Ratings:	Health – 0*	Flammability – 0	Reactivity – 0
	0 = Minimal Hazard, 1 = Slight Hazard, 2 = Moderate Hazard, 3 = Serious Hazard, 4 = Severe Hazard			
	NFPA Hazard Ratings:		Health – 0*	Flammability – 0
0 = Minimal Hazard, 1 = Slight Hazard, 2 = Moderate Hazard, 3 = Serious Hazard, 4 = Severe Hazard				
16.1 GHS Abbreviations and Phrases for Reference:				
® = Registered Trademark				
™ = Registered Trademark				
L = Listed				
S = Short-term				
N/A = Not Applicable				
N/L = Not Listed				
N/D = Not Determined				
C = Ceiling				
<p>Disclaimer: The information provided in this Safety Data Sheet (SDS) is provided in good faith and believed to be accurate at the time of preparation of the SDS. However, Mycorrhizal Applications and its subsidiaries or affiliates extend no warranties, make no representations, and assume no responsibility as to the accuracy, suitability, or completeness of such information. Additionally, neither Mycorrhizal Applications nor any of its subsidiaries or affiliates represents or guarantees that this information or product may be used without infringing the intellectual property rights of others. It is the users' own responsibility to determine the suitability of this information for their own particular use of this product. If necessary, contact Mycorrhizal Applications to confirm that you have the most current product label and SDS.</p> <p>This Safety Data Sheet (SDS) may provide more information than the product label but does not replace or modify the product labeling (attached to and accompanying the product container). The product SDS and the product label both provide consistent and important health, safety, and environmental information as required by the Occupational Health and Safety Act (29 CFR 1910.1200, "Hazcom"). This requirement covers employers, employees, emergency responders, users and others handling the product. All necessary hazard classification and appropriate precautionary, use, storage, and disposal information is set forth on the labeling and the SDS.</p>				
SDS Issued: 10/04/2022			Replaces SDS Dated: New	
Revision notes: New SDS			Revision # v.1	