



710 NW E Street
Grants Pass, OR 97526
866.476.7800
www.mycorrhizae.com

MycoApply® EndoPrime SC

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: MycoApply® EndoPrime SC
Product Code: AS10612.04.044
Recommended Use: Inoculant
Restricted Use: None Known
Supplier: Mycorrhizal Applications, LLC
Address: 710 NW E Street, Grants Pass, OR 97526
USA Phone Number: 866-476-7800 (Monday-Friday, 7:00 a.m. – 4:00 p.m.)
Medical Emergency Phone Number: 877-315-9819 (PROPHARMA)

2. HAZARDS IDENTIFICATION

OSHA Regulatory Status: Hazard Communication Standard (29 CFR 1910.1200).

Classification:
Eye Irritation – Category 2B

Signal Word: WARNING
Symbol / Pictogram: No Pictogram
Hazard Statements:
Causes eye irritation

Prevention Statements:
Wash hands and face thoroughly after handling.
Response Statements:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN: Wash with plenty of water.
If skin irritation or rash occurs: get medical advice/attention.
Disposal:
Dispose of contents/container in accordance with local/regional/national/international regulations.
Other Hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Classification</u>	<u>CAS #</u>	<u>Concentration (w/w %)</u>
Dowfax 3B2 Solution Surfactant	Category 2B	Proprietary Mixture	5%
Other Ingredients – Non-Hazardous	Not classified	None	95%*

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

4. FIRST AID MEASURES

General Description of First Aid

Measures:

Inhalation: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Skin Contact: Remove from source of exposure. Wash with plenty of water. If skin irritation or rash occurs: get medical advice/attention.

Eye Contact: Remove from source of exposure. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists or signs of toxicity occur, seek medical attention.



MycoApply® EndoPrime SC

Ingestion:	Remove from source of exposure. Move person to fresh air. Do NOT induce vomiting. Give large quantities of water. If signs of toxicity occur, seek medical attention. Provide symptomatic /supportive care as necessary.
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.
Indication of any Immediate Medical Attention and Special Treatment Needed	Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Extinguishing Media:

Suitable Extinguishing Media:

Dry chemical and carbon dioxide, alcohol resistant foam, sand, water fog or fine spray. Use appropriate medium for the underlying cause of the fire.

Unsuitable Extinguishing Media:

High Volume Water Jet (based on major component of mixture)

Special Exposure Hazards:

Containers may rupture from gas generation in a fire. Keep containers cool by spraying with water if exposed to fire.

Special Protective Equipment / Procedures for Firefighters:

Thermal decomposition products

Carbon oxides, nitrogen oxides, ammonia

Protective Equipment and precautions for firefighters

Fire fighter should wear full-face, self-contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling combustion products. See Section 8 (Exposure Controls / Personal Protection)

Fire & Explosive hazard

Risk of ignition as described above in 5.2.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Use in a well-ventilated area. Respiratory protection is not needed during normal product use. Wear eye protection appropriate to handling activities. Wear impervious gloves. Wear appropriate body coverings if contact may occur. Where exposure level is not known, wear respirator protection suitable for expected level of exposure, in addition to the personal protection as recommended in Section 8.

Environmental Precautions:

Avoid unnecessary release to the environment. Prevent spillage from entering drains and/or surface water.

Containment / Clean-Up Methods:

Ventilate area. Wear appropriate personal protective equipment. Recover product with inert material (earth, sand, vermiculite), place into appropriate container for disposal. Do not flush to sewer.

Containment and Cleaning Up

Ventilate area. Wear appropriate personal protective equipment. Recover product with inert material (earth, sand, vermiculite), place into appropriate container for disposal. Do not flush to sewer.



MycoApply® EndoPrime SC

Reference to Other Sections See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations. See Section 13 for Disposal Considerations.

US Regulations may require reporting spills of hazardous materials: See Section 15: REGULATORY INFORMATION for details on reportable quantities, if any.

7. HANDLING & STORAGE

Handling: Avoid breathing mist or vapor. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling. Do not eat drink or smoke while working with product, obey reasonable safety precautions and practice good housekeeping. For filling operations respiratory protection may be recommended particularly in enclosed areas.

Storage: Protect against physical damage. Close containers of unused material. Store in a dry, cool, ventilated place. Keep away from source of ignition. Store separately from reactive or combustible materials and out of direct sunlight.

Incompatibilities None Known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: **Component Exposure Levels:** None established.
Derived No Effect Levels (DNELs): No DNELs available.
Predicted No Effect: No PNECs available.

Engineering Controls: Provide general ventilation. Where adequate general ventilation is unavailable use process enclosure, local exhaust ventilation, or other engineering controls.

Respiratory Protection: For filling operations if dust/mist is produced respiratory protection is recommended or where respiratory protection is warranted, use dust/mist filtering respirator (MSHA/NIOSH approved number prefix TC-21C or a NIOSH approved respirator with any N, P, R or HE filter). Wash thoroughly with soap and water after handling.

Personal Protective Equipment: **Skin and Body Protection:** Wear suitable protective clothing.
Eye and Face Protection: Safety glasses or goggles recommended
Respiratory Protection: For operations where the exposure limit may be exceeded, a NIOSH/MSHA approved high efficiency particulate respirator is recommended.

9. PHYSICAL & CHEMICAL PROPERTIES

State:	Liquid; Tan	Upper/Lower flammability limits:	Not determined
Appearance:	suspension	Vapor pressure:	Not determined
Odor:	Not determined	Vapor density: (air =1)	Not determined
Odor threshold:	Not determined	Specific Gravity: (H₂O = 1)	Not determined
pH:	Not determined	Solubility in water:	Not determined
Melting/Freezing point:	Not applicable - liquid	Partition coefficient (n-octanol-water):	Not determined
Boiling point:	Not determined	Auto-ignition temperature:	Not determined
Flash point:	Not determined	Decomposition temperature:	Not determined
Evaporation rate:	Not applicable		



MycoApply® EndoPrime SC

Flammability (solid, gas):	Not determined	Viscosity:	464 cP @ 30.6°C
Bulk Density:	1.03 – 1.06 g/ml	Flammability Class:	Not determined

10. STABILITY & REACTIVITY

Reactivity Hazards:	Stable under ordinary conditions of use and storage.
Chemical Stability:	Stable under ordinary conditions of use and storage.
Possibility of Hazardous Reactions	Does not undergo hazardous polymerization.
Conditions to Avoid:	Exposure to elevated temperatures can cause product to decompose.
Incompatible Materials:	Avoid contact with: Strong acids.
Hazardous Decomposition Products:	Can include but not limited to: Carbon monoxide, carbon dioxide and sulfur oxides.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects:	
Likely Routes of Exposure	Inhalation: Yes Eye Contact: Yes Skin Contact: Yes Ingestion: Not likely
Formulation Toxicology:	Toxicity not evaluated –treat as if it were hazardous. The major component does not have significant toxicity concerns.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	This product has not been tested for eco-toxicological effects. Treat with extreme caution and do not allow into waterways or lakes.
Persistence/ Degradability:	Environmental persistence and fate not evaluated.
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	None known
Results of PBT and vPvB assessment:	PBT: Assessments not performed vPvB: Assessments not performed

13. DISPOSAL CONSIDERATIONS

Waste 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

	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.			



MycoApply® EndoPrime SC

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA STATUS: Not Listed; Experimental Formulation
CERCLA STATUS: Not Listed; Experimental Formulation
SARA STATUS: Acute: No Chronic: No Fire: No CDT: No
RCRA STATUS: Not Listed

Other Component Information

State Right-To-Know: Component Information Chemical Name	MA	MN	NJ	PA
1,2-Propylene glycol CAS 57-55-6	No	No	Yes	Yes
Sulfuric acid disodium salt CAS 7757-82-6	No	No	Yes	Yes

MA = Massachusetts

MN = Minnesota

NJ = New Jersey

PA = Pennsylvania

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312:

Acute Health Hazard

Chronic Health Hazard

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and

Pennsylvania Worker and Community Right-To-Know Act:

The following chemicals are listed because of the additional requirements of Pennsylvania law:

Components CASRN Sulfuric acid disodium salt 7757-82-6.

OSHA HAZARD COMMUNICATION STANDARD: This formulation contains a component that is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Pesticide Labeling

Not an EPA registered pesticide.



MycoApply® EndoPrime SC

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: N/D
Flammability: N/D
Instability: N/D

HMIS Hazard Ratings

Health: N/D
Flammability: N/D
Instability: N/D

0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Extreme

Legend:

N/A = Not Applicable
N/L = Not Listed
N/D = Not Determined
C = Ceiling

L = Listed
S = Short-term
® = Registered Trademark
™ = Registered Trademark

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.

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.

SDS preparation date: 11/30/18

Replaces MSDS dated: 04/18/18

Revision notes: GHS 7th Revised Edition

Version: v.2