

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: Water Soluble Mycorrhizae
Product Code: BP-Mycorr-Soluble
Product Use: Inoculant
Supplier: Turf Chemicals Plus Inc.
Address: 114 Manheim Street, Mount Joy, PA 17552
Phone Number: (717) 653-0616

2. HAZARDS IDENTIFICATION

Classification:
Acute Oral: Category 4
Eye irritation: Category 2B
Signal Word: Warning
Hazard Symbols:
exclamation mark



Hazard Statements:
Harmful if inhaled
May cause respiratory irritation.

Prevention Statements:
Avoid breathing dust
Use outdoors or in a well-ventilated area
Response Statements:
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Storage:
Keep container tightly closed.
Disposal:
Dispose of contents/container in accordance with local/regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS #</u>	<u>Concentration (w/w %)</u>
Leonardite	1415-93-6	25-50%
Attapulgate-type clay	12174-11-7	25-50 %
Quartz (Respirable <0.1%)	14808-60-7	<10%
Thiamine	67-03-8	2-12%
Proprietary-Other Ingredients	Trade Secret	1-10%

4. FIRST AID MEASURES

If Inhaled: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

If on Skin: Wash with soap and water. Then apply hand lotion. Exposure to skin may cause mild irritation and dry skin.

If in Eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

If Swallowed: If symptoms persist consult doctor.

If Inhaled: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	CO2 extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam..
Special Exposure Hazards:	None known
Special Protective Equipment / Procedures for Firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	None know
Environmental Precautions:	None known
Containment / Clean-Up Methods:	Sweep up and collect for proper disposal

7. HANDLING & STORAGE

Handling:	Avoid breathing dust. Ensure good ventilation/exhaustion at the workplace.
Storage:	Store in a dry area. Avoid consistent temperature above 120 degrees Fahrenheit. Keep container tightly sealed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:	
Engineering Controls:	For operations where the exposure limit may be exceeded, local exhaust ventilation is recommended.
Respiratory Protection	For operations where the exposure limit may be exceeded, a NIOSH/MSHA approved high efficiency particulate respirator is recommended..
Personal Protective Equipment :	Clothing: None required for normal use. Eye 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

Appearance:	Gray to tan granules	Upper/Lower flammability limits:	Not available
Odor:	No odor	Vapor pressure:	Not available
Odor threshold:	Not available	Vapor density: (air =1)	Not applicable
pH:	Not applicable	Specific Gravity: (H₂O = 1)	2.2
Melting/Freezing point:	Not determined	Solubility:	Soluble
Boiling point:	4046°F (2230°C)	Partition coefficient (n-octanol-water):	Not determined
Flash point:	Not applicable	Auto-ignition temperature:	Not applicable
Evaporation rate:	Not available	Decomposition temperature:	Not applicable
Flammability (solid, gas):	Not applicable	Viscosity:	Not applicable



Plant Survival **Solutions**

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Soil & Root Inoculants

Water Soluble Mycorrhizae

10. STABILITY & REACTIVITY

Reactivity hazards:	No further relevant information available
Chemical stability:	No decomposition if used according to specifications
Conditions to avoid:	No further relevant information available
Incompatible materials:	No further relevant information available
Hazardous decomposition products:	No dangerous decomposition products known

11. TOXICOLOGICAL INFORMATION

Information:	<p>Ingestion: No adverse effects expected with unused material</p> <p>Inhalation: Inhalation of excessive concentrations of dust may cause irritation of mucous membranes and upper respiratory tract.</p> <p>Eye: Contact may cause mechanical irritation and possible injury.</p> <p>Skin: No adverse effects expected.</p> <p>Sensitization: No adverse effects expected.</p> <p>Medical Conditions Aggravated By Exposure: None currently known.</p>
Acute toxicity:	Attapulgitite-type clay: No toxicity data available
Corrosivity:	This is not a corrosive product
Eye	Contact may cause mechanical irritation
Respiratory/Skin sensitization:	No sensitizing effects know
Germ cell mutagenicity:	No specific data is available. This product is not expected to present a germ cell mutagenicity hazard
Carcinogen Status	No toxicity data available. The substance does not meet the criteria for carcinogen under Regulation (EC) No 1272/2008
Reproductive toxicity:	No specific data is available. Not expected to affect reproduction or development.
Repeat Dose Toxicity	No toxicity data available. Inhalation of excessive concentrations of any dust, including this material, may lead to lung injury. This product contains <0.1% respirable crystalline silica. Excessive inhalation of respirable crystalline silica may cause silicosis, a progressive, disabling and fatal disease of the lung. Symptoms may include cough, shortness of breath, wheezing and reduced pulmonary function.

12. ECOLOGICAL INFORMATION

Toxicity:	None known
Persistence/ degradability:	No further relevant information available
Bioaccumulative potential:	No further relevant information available
Mobility in soil:	No further relevant information available
Other adverse effects:	No further relevant information available
Results of PBT and vPvB assessment	PBT: Not applicable vPvB: Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal methods:	<p>Waste treatment methods: Recommendation; Recycle or dispose with household trash</p> <p>Uncleansed packaging: Recommendation; Disposal must be made according to official regulations.</p>
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14. TRANSPORT INFORMATION

	DOT	IMDG	IATA
UN number:	Not applicable	Not applicable	Not applicable
Proper shipping name:	Not regulated under DOT	Not regulated	Not regulated
Hazard class(es):	Not applicable	Not applicable	Not applicable
Packing group:	Not applicable	Not applicable	Not applicable
Special precautions:	None		

15. REGULATORY INFORMATION

CERCLA/SUPERFUND	None
SARA HAZARD	Chronic Health
CATEGORY (311/312)	
SARA 313:	None
TSCA:	Components of this product are listed on the EPA TSCA Inventory or exempt from notification requirements
EINECS	Components of this product are listed on the EINECS Inventory or exempt from notification requirements
EEC R&S Phrases	Xn Harmful, R48/20 Harmful: Danger of serious damage to health by prolonged exposure by inhalation; S22 Do not breath dust; S38 In case of insufficient ventilation, wear suitable respirator equipment
JAPAN MITI:	Components of this product are existing chemical substances as defined in the Chemical Substances Control Law
AICS:	Components of this product are listed on the AICS Inventory or exempt from notification requirements.

16. OTHER INFORMATION

HMIS Ratings:	Health – 1	Flammability – 0	Reactivity – 0
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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: October 29, 2015
Changes since last revision: New format to SDS

Replaces MSDS dated: April 26, 2007