

MYCOINTECH®

mycorrhizal industrial technology

Material Safety data sheet: ENDOM P2.5C4SEC. Update: January 2017

According to Regulation (EC) No. 1907/2006 (REACH), as amended by Regulation (EC) No. 453/2010

1. PRODUCT AND COMPANY IDENTIFICATION

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Solid product based on beneficial arbuscular mycorrhizal fungi (AMF) and Ectomycorrhizal fungi for agricultural, forest and landscape systems. These microorganisms are carried by inorganic substrates. The microbial isolates are presented in the product as infective propagules (spores, vesicles and pieces of mycelium and colonized roots of AMF).

Endomycorrhizal fungi:

Total spores: 240 spores/gram of a blend of *Rhizophagus intraradices*, *R. aggregatum*, *Funneliformis mosseae* & *Claroideoglomus etunicatum*.

Ectomycorrhizal fungi:

Total spores: 1×10^6 spores/g of *Pisolithus tinctorius*

Inert supports: mixture of silicates: Zeolites (CAS N° 1318-02-1 and CAS N° 12173-10-3). The product may contain vermiculite (CAS N°. 1318-00-9).

3. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid powder
Particle size:	0-120µm. Pieces of roots: 0-250µm
pH in water (1:5):	7
Dry matter:	97%
Relative density (H2O=1)	0.3-0.5Kg/L

4. STABILITY INFORMATION

Stable for a period of 18 months if stored in a cool, dry place, away from direct sunlight.

5. HAZARDS IDENTIFICATION

Classification according to Directive 1999/45/EC and Directive 2006/121/EC (REACH): Not Hazardous

EC Classification: Not classified as hazardous.

6. TOXICOLOGICAL INFORMATION

ROUTE OF EXPOSURE

Eye: Exposure to airborne dust may cause immediate or delayed irritation. Eye contact by large amounts of dry powder may cause eye irritation.

Skin Contact: Prolonged contact in sensitive individuals may cause irritation, contact dermatitis and dry

Inhalation: No known effects, however, product is a fine dust and lung injury (silicosis) could be possible from excessive inhalation over an extended period. May cause irritation to the respiratory system

Signs and Symptoms of Exposure: None known

7. ECOLOGICAL INFORMATION

Toxicity: No described.

Persistence and degradability: Partially biodegradable product. The non-degradable fraction is composed of natural substrate from rock.

Bioaccumulative potential: Not bioaccumulative if used according to the manufacturer's recommendations.

Mobility in soil: No described.

8. FIRST AID MEASURES

Eye: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Contact a doctor.

Skin: In case of contact, immediately wash skin with soap and copious amounts of water. Wash contaminated clothing before reuse.

Inhalation: Remove patient from affected area. Avoid inhalation of dust from the product. If symptoms persist, respiratory problems seek medical advice.

Ingestion: If swallowed by accident and detects any signs of illness, consult your doctor immediately with this safety data sheet.

9. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required for normal use.

Skin Protection: Wash hands with soap and water. Use suitable skin protection cream. Protective gloves are recommended. Latex examination gloves are adequate to prevent prolonged skin contact.

Eye Protection: The use of safety glasses with side shields or splash goggles for packaging jobs. Wear protective goggles if intrusion into high dust area is necessary

Protective Clothing: None required, however, avoiding prolonged contact with the skin of the laundry.

Ventilation: Local exhaust ventilation should be sufficient. If used in a manner which creates a mist, mechanical ventilation may be required.

10. HANDLING AND STORAGE

Store in an area away from direct sunlight, avoid storage above 35 ° C or below 0 ° C, kept tightly closed when not in use and avoid storing in a humid environment.

Always wash hands with soap and water before handling food or smoking.

Use chemical hygiene practices when working with any chemical.

Other Precautions: None

11. TRANSPORT INFORMATION

DOT

Proper Shipping Name: None

Non-Hazardous For Transport: This Substance Is Considered To Be Non-Hazardous For Transport.

IATA

Non-Hazardous For Air Transport: Non-Hazardous For Air

12. FIREFIGHTING MEASURES

Extinguishing Media: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.

Fire fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

13. REACTIVITY INFORMATION

Incompatibility: None known.

Hazardous Decomposition or by-products: None. Partially biodegradable product with the release of small amounts of carbon dioxide.

Hazardous Polymerization: Will not occur

14. DISPOSAL CONSIDERATIONS

Disposal Method: Collect material, place in a suitable container for reuse or disposal.

Dispose of material in accordance with federal, state and local.

Precautions to be taken in handling and storing: Store in a place away from children, food and drinking water.

Store in an area away from direct sunlight, avoid storage above 35 ° C or below 0 ° C, kept tightly closed when not in use and avoid storing in a damp environment.

Always wash hands with soap and water before handling food or smoking.

No special requirements other than to prevent dust emission.

Use chemical hygiene practices when working with any chemical.

Other Precautions: None

16. REGULATORY INFORMATION

EC Classification: No classified as hazardous

H- and P-Phrases:

P-phrases (Prevention precautionary statements):

P102 - Keep out of the reach of children

P270 - Do not eat, drink or smoke during use

H-phrases: None

17. OTHER INFORMATION

The product is used as a natural ingredient of fertilizer for plants. The information reflected herein is referred to the product unaltered, and according to the manufacturer's specifications, being a guide to the handling, use, processing, storage, transportation and safe disposal and should not be considered a warranty or specification quality. Data expressed are based on product knowledge to date of revision of the document.