

BIOHORTI S.L.

# SAFETY DATA SHEET

**Mycotrex**

According to REG. (CE) 1907/2006

## 1. Identification of the preparation:

Product name: MYCOTREX

Law name: MYCORHIZZAL INOCULUM

CAS number: -

EC number: -

**Use of preparation:** fertilizer for agriculture

**Company identification:** Biohorti S.L. – C/de la Remallaire 4– 08302 Mataró – Espana – tel. +34 936 385 174 – mail:info@biotabs.nl

**e-mail address of person responsible for SDS:** info@biotabs.nl

**Emergency telephone number:** Contact the nearest Poison Centre.

## 2. Identification of hazards:

Excessive inhalation of dust may result in shortness of breath and reduced pulmonary function.

Persons with acute allergies to moulds or other fungus could become asthmatic, with wheezing and breathing difficulties (rare), or could experience typical hay fever symptoms.

Contact with eyes or open wounds may result in irritation.

The product is not hazardous to the environment.

## 3. Composition / Information about ingredients:

Phytoestrogenic compound (formononetin) 0.22%

Beneficial soil bacteria in spore form

Humate (Coal Dust, Humic Acids) 42% 1.5 mg/m<sup>3</sup> - 0.1 mg/m<sup>3</sup>

Silica (silica, clay, and diatom. earth) 1.25% - 3.5% 0.1 mg/m<sup>3</sup> 50 □ g/m<sup>3</sup>

Natural fungus spores <0.1%

Nuisance Dust

Respirable (TWA) 5 mg/m<sup>3</sup> 10 mg/m<sup>3</sup>

Total (TWA) 15 mg/m<sup>3</sup> 10 mg/m<sup>3</sup>

## 4. First-aid measures:

**Inhalation:** In cases of respiratory distress, remove individual from exposure and get medical assistance. Administer oxygen if needed. If hay fever symptoms develop, remove individual from exposure. If wheezing or breathing difficulties develop, remove the individual to fresh air. Give oxygen or artificial respiration if necessary.

**Ingestion:** If material is ingested, drink water, induce vomiting, call a physician.

Ingredients are not expected to be particularly toxic, but irritation of intestinal tract is expected if significant amounts are ingested. Treat symptoms.

**Skin contact:** If skin contact occurs, wash with soap and water. Apply antiseptic if material contacts open wounds. Watch for infection. If material gets into eyes, do not rub them, rinse with copious amounts of water, and see a physician to remove granular particles that fail to wash out. Watch for allergic reaction or eye infection. Get medical attention. If material is ingested, drink water, induce vomiting, call a physician.

Ingredients are not expected to be particularly toxic, but irritation of intestinal tract is expected if significant amounts are ingested. Treat symptoms.

**Eye contact:** in case of contact with eyes, wash immediately with plenty of water. In case of irritation or other problems, ask medical personnel.

## **5.Fire fighting measures:**

**Extinguishing media:** Water, fog, or foam.

**Hazardous thermal decomposition products:** When burned, typical components of smoke such as CO, CO<sub>2</sub>, SO<sub>2</sub>, hydrocarbons, are released.

**Protective equipment:** Wear respiratory protection to avoid breathing dust and smoke.

**Unusual Fire and Explosion Hazards:** Take precautions against explosion hazard due to build-up of explosive airborne concentrations of this dust. Avoid stirring up dust with hose stream.

## **6.Measures for accidental release:**

**Environmental precautions:** avoid contamination of river and sewerage. Inform Authority in case of river contamination. Avoid product dispersion by rain or wind.

**Precautions for personnel:** Handle under conditions of adequate ventilation. Floors will become very slippery if spilled material gets wet. Wear gloves when handling. Avoid acids and extreme heat.

**Clean up methods:** Wet down, and sweep up carefully to avoid stirring up dust. Avoid breathing dust. If spilled in residential living quarters or dining area, clean area with soap and water.

## **7.Handling and storage:**

**Handling:** Avoid breathing dust. Avoid stirring up dust.

Handle under conditions of adequate ventilation. Floors will become very slippery if spilled material gets wet. Wear gloves when handling. Avoid acids and extreme heat.

**Storage:** Avoid acids and extreme cold and heat.

## 8. Personal protection and exposure controls:

**Occupational exposure limits (ACGIH 2003):** -

**Technical precautionary actions:** avoid dust formation and favor a good ventilation, where necessary.

### CONTROLS OF EXPOSURE

**Respiratory protection:** if necessary, use a properly fitted, air-purifying or air-fed respirator complying with an approved standard.

**Eyes protection:** in case of high concentration of product in the air, use dust goggles

**Skin protection:** to avoid the contact between the product and the skin, use personal protective equipment for hands and body.

**Hands protection :** non porous gloves

## 9. Chemical and physical properties:

### APPEARANCE

**Physical state:** ..... Mixed powder and granules

**Color:** ..... green/brown

**Odor:** ..... seaweed

### IMPORTANT DATA TO SAFETY

**pH (1 : 5):** .....

**Specific weight:** .....

**Explosive properties:** ..... No

**Solubility:** ..... insoluble in water

## 10. Stability and reactivity:

**Stability:** the product is chemically stable

**Hazardous decomposition products:** When burned, typical components of smoke such as CO, CO<sub>2</sub>, SO<sub>2</sub>, hydrocarbons, are released.

**Materials to avoid:** none known

**Conditions to avoid:** avoid explosive dust concentrations.

## 11. Toxicological Information:

### Dangerous effects on human health:

**Acute:** Excessive inhalation of dust may result in shortness of breath and reduced pulmonary function. Persons with acute allergies to moulds or other fungus could become asthmatic, with wheezing and breathing difficulties (rare), or could experience typical hay fever symptoms.

Contact with eyes or open wounds may result in irritation.

**Chronic:** Sensitive individuals may develop an allergic sensitivity (rare) to the dust via repeated skin contact or inhalation resulting in contact dermatitis (rare) or sinus irritation. Contains some silica. May cause delayed respiratory disease if dust is inhaled repeatedly over a prolonged period of time.

This product contains a small amount (0.22% by weight) of an insoluble isoflavanoid compound (formononetin) classed as a phytoestrogen, which can mimic the effects of the hormone oestrogen in mammals. Avoid prolonged skin contact to preclude the possibility of skin absorption of the hormonal compound.

**Carcinogenicity:** IARC Monographs: Yes (Crystalline Silica). On the evaluation of the Carcinogenic Risk of Chemicals to Humans (Vol. 42, 1987), IARC concludes that there is "limited evidence" of the carcinogenicity of crystalline silica to humans. IARC classification 2A.

**Signs and Symptoms of Exposure:**

Sneezing, stuffed or runny nose, hay fever symptoms in allergic individuals. Persons with acute allergies could become asthmatic, with wheezing and breathing difficulties (rare). Excessive inhalation of dust may result in shortness of breath and reduced pulmonary function. Allergic sensitivity to skin contact may result in itching, swelling, or rash (rare).

**Medical Conditions Generally Aggravated by Exposure:** Hay fever, mould allergies

Individuals with pulmonary and respiratory disease including, but not limited to, asthma and bronchitis, should be precluded from exposure to dust. Contact with eyes or open wounds may result in irritation and/or infection. Persons having medical conditions making them sensitive to exposure to common bacteria (such as individuals with AIDS, or those taking some anti-rejection drugs, or individuals receiving chemotherapy) should consult with their physician before handling bacterial products.

## 12. Ecological information:

The product is not dangerous to the environment if used as recommended by the supplier. The product is insoluble in water.

Biodegradability: YES

Bioaccumulation: NO

## 13. Disposal considerations:

Within the present knowledge of the Company, the product is not considered as hazardous waste. Dispose the product and his packaging according with all applicable local and national laws.

## 14. Informations about transport:

About transport, the product is not classified as hazardous material according to UN Orange Book. International transport codes (ADR, RID, IMDG, ADN) are not necessary.

## 15. Regulatory information:

The product is not classified according to EU legislation. Risk phrases: NO

Safety data sheet according to REG. CE 1907/2006.

European Law on fertilizers: REG. CE 2003/2003.

## **16. Other Information:**

Note: -

Safety data sheet by: Biohorti S.L. – C/de la Remallaire 4– 08302 Mataró – Espana

Version 1.0

Date of issue: 15/04/2016

Date of previous issue: none

### **IMPORTANT NOTICE:**

The data and information contained in this safety data sheet are based on our knowledge at the date of issue. The information of this SDS concern only aspects about use, handling and storage of the product. The supplier does not assume any liability whatsoever for the accuracy or completeness of the information contained in this sheet. Final determination and use of suitability of product is completely responsibility of the user. All chemical products may present unknown hazards and must be used with caution. The supplier does not guarantee that the hazards described in this safety data sheet are the only hazards that exist for this product. The supplier does not guarantee that this SDS contains all possible safety measures; in particular conditions, in fact, it may be necessary to add some measures.