

BIOHORTI S.L.U. BioTabs

# SAFETY DATA SHEET

## Biotabs

According to REG. (CE) 1907/2006

### 1. Identification of the preparation:

Product name: BIOTABS

Law name: BIOTABS 12-8-8 Macro Tablets (21 grams)

CAS number: -

EC number: -

**Use of preparation:** fertilizer for agriculture

**Company identification:** BIOHORTI S.L.U. BioTabs – 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:

Within the current knowledge of the supplier and in the concentrations recommended by Company, the product is not hazardous to human health or to the environment.

For more information about product effects on human health read section 11.

### 3. Composition / Information about ingredients:

Humate (Leonardite, naturally occurring mineral) 12%

contains some crystalline silica 0.1-0.3% 0.1 mg/m<sup>3</sup> 50 g/m<sup>3</sup>

Selected soil bacteria beneficial for horticulture

Ureaform None established

Sulphate of Potash and Sulphate of Magnesia None established

Nuisance Dust: Respirable 5 mg/m<sup>3</sup>

Total 15 mg/m<sup>3</sup>

### 4. First-aid measures:

**Inhalation:** . If dust is inhaled, remove to fresh air, give oxygen if needed; give artificial respiration if needed, get medical attention. Watch for possible allergic response, or later development of respiratory infection.

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

**Skin contact:** In case of skin contact, wash area with soap and water. In case of contact with an open wound, wash with soap and water, and use an over-the-counter approved external antiseptic. Watch for possible infection.

**Eye contact:** in case of contact with eyes, wash immediately with plenty of water. In case of irritation or other problems, ask medical personnel. If material gets into eyes, flush with water, see physician if discomfort persists; watch for possible infection.

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

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

**Hazardous thermal decomposition products:** When heated to decomposition: CO, CO<sub>2</sub>, SO<sub>2</sub>, SO<sub>3</sub>, hydrocarbons, ammonia, **cyanic acid**, formaldehyde, and small amounts of sulfuric acid.

**Unusual Fire and Explosion Hazards:** Dust may be flammable. Tablets will burn. Avoid stirring up excessive product dusts. Do not breathe toxic fumes of decomposition.

**Protective equipment:** fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus.

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

**Environmental precautions:** Avoid stirring up excessive dust. Wet down and sweep up and collect excess material with adequate ventilation, and use the product as directed. Rinse area with water containing a disinfectant if spilled in dining or living quarters. Residue will not harm drains or sewers. Avoid breathing product's dust.

**Precautions for personnel:** Avoid stirring up excessive dust. Avoid ignition of dust. Avoid inhaling dust. Use nonporous gloves when handling. Do not eat, drink, or smoke while handling this product. Wash hands thoroughly before eating, drinking or smoking.

**Clean up methods:** Collect excess and apply to trees, or plants as originally intended. Material is biodegradable, and does not contain pesticides.

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

**Handling:** Use good hygiene practices. The bacteria contained in this product are strains of typically harmless soil and water bacteria, and do not cause infections under normal circumstances. However, reasonable precautions are in order. Handle as you would rich, dark soil or compost: keep it out of your mouth, eyes, lungs, and broken skin. Wash hands after handling. Do not eat, drink, or smoke while handling the product. If clothes are heavily soiled with product, wash separately from other clothes.

**Storage:** store away from rain, heat, sparks, flame or any other ignition source. Prevent high moisture in handling and storage. Keep clean and ventilated the storage rooms. Keep away from kids and animals.

## 8. Personal protection and exposure controls:

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

**Technical precautionary actions:** avoid dust formation and use in a well ventilated area.

## CONTROLS OF EXPOSURE

**Respiratory protection:** Dust mask. Use NIOSH/MSHA approved respirator where TLV limits for crystalline silica may be exceeded.

**Eyes protection:** None required unless eye contact is likely.

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

**Hands protection :** Rubber, latex, vinyl, or other impervious gloves

**Work/Hygienic Practices:** The bacteria contained in this product are strains of typically harmless soil and water bacteria, and do not cause infections under normal circumstances. However, reasonable precautions are in order. Handle as you would rich, dark soil or compost: keep it out of your mouth, eyes, lungs, and broken skin. Wash hands after handling. If clothes are heavily soiled with product, wash separately from other clothes.

## 9. Chemical and physical properties:

### APPEARANCE

**Physical state:** ..... Circular tablets

**Color:** ..... Grey

**Odor:** ..... Specific

### IMPORTANT DATA TO SAFETY

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

**Specific weight:** ..... 21 grams per piece

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

**Solubility:** ..... partially soluble in water

## 10. Stability and reactivity:

**Stability:** the product is chemically stable.

**Hazardous decomposition products:** When heated to decomposition: CO, CO<sub>2</sub>, SO<sub>2</sub>, SO<sub>3</sub>, hydrocarbons, ammonia, **cyanic acid**, formaldehyde, and small amounts of sulfuric acid.

**Materials to avoid:** Strong oxidizers.

**Conditions to avoid:** Avoid stirring up excessive product dust.

## 11. Toxicological Information:

### Dangerous effects on human health:

**Acute:** May irritate skin or eyes; may result in allergic response or infection if dust is inhaled or if product comes in direct contact with open wounds or eyes. Product dust may be irritating to nasal and respiratory passages, and/or lungs if inhaled. Avoid breathing dust. (Also, contains feather meal, and

soil bacteria, to which some persons may be allergic.) Swallowing large doses may lead to gastrointestinal disturbances.

**Chronic:** This product can produce fine dusts, which may cause delayed respiratory disease or allergy if inhaled over a prolonged period of time, continuously or intermittently. Potentially allergenic. Avoid breathing dust. Avoid direct skin contact.

**Carcinogenicity:** This product may contain a small amount of **crystalline silica**. IARC Monographs concludes that there is "limited evidence" of the carcinogenicity of crystalline silica to humans. IARC Classification 2A: suspected human carcinogen.

**Signs and Symptoms of Exposure:** Excess inhalation of dust may result in shortness of breath, and reduced pulmonary function, and possibly, respiratory infection. Local infection may result if product contacts open wounds or eyes. Can cause eye irritation or allergic respiratory or skin response. See above under "Health Hazards, Acute and Chronic".

**Medical Conditions Generally Aggravated by Exposure:** Individuals with any pulmonary and/or respiratory disease such as asthma, bronchitis, etc. should not be exposed to product's dust. Contact with open wounds could potentially result in opportunistic infection, as could rich compost. Use good hygiene practices. Persons with compromised immune systems, such as those with advanced AIDS, or taking antirejection drugs, or undergoing chemotherapy, should contact their physician before handling bacterial products.

At the moment, are not known significant effects about: carcinogenicity, mutagenicity, teratogenicity, negative fertility effects, or other dangerous effects on human health.

## **12.Ecological information:**

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

Biodegradability: YES

Bioaccumulation: NO

## **13.Disposal considerations:**

Collect excess and apply to trees, or plants as originally intended. Material is biodegradable, and does not contain pesticides.

## **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.U. BioTabs – C/de la Remallaire 4– 08302

Mataró – Espana

Version 1.1

Date of issue: 5/06/2018

Date of previous issue: 15/04/2016

### **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.