

BIOHORTI S.L.

SAFETY DATA SHEET

Bactrex

According to REG. (CE) 1907/2006

1. Identification of the preparation:

Product name: BACTREX

Law name: Bacterial and fungal 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:

Hazardous Components OSHA PEL ACGIH TLV

Live Bacteria and fungi beneficial to plants.

No reportable quantities of hazardous ingredients are present.

No toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.

3. Composition / Information about ingredients:

The product is a preparation. Live Bacteria and fungi beneficial to plants.

4. First-aid measures:

Inhalation: If inhaled, move to fresh air. If difficulty in breathing persists, administer oxygen, and get immediate medical attention. Watch for possible development of respiratory distress due to allergic reaction or infection.

Ingestion: Seek medical attention. Do not induce vomiting.

Skin contact: Wash affected area with soap and water. Antibacterial soap is recommended. If material contacts wounded or broken skin, treat wound with an antiseptic to prevent infection. If irritation or infection develops, consult a physician. Remove and launder contaminated clothing before reuse. Launder contaminated clothing separately from other clothes.

Eye contact: Flush with water for at least 15 minutes. If irritation or infection develops, call a physician.

5.Firefighting measures:

Extinguishing media: Water fog, foam, alcohol foam, CO₂, dry chemical

Hazardous thermal decomposition products: Burning may release noxious fumes and gases such as carbon monoxide, nitrous oxides, acetic acid, sulfuric acid, sulphur dioxide, or other toxic compounds depending on the other combustion sources.

Protective equipment: Fire fighters should wear eye protection, butyl rubber boots, gloves, and a NIOSH/MSHA approved self-contained breathing apparatus. Clean and disinfect gear after exposure.

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: Wash hands after handling. Use normal hygiene practices. If spilled on clothes, wash separately from other clothes.

Clean up methods: Avoid stirring up dust. Sweep up and collect excess material while wearing an approved dust mask, and use the product as directed. If dissolved product is spilled, contain and collect the spill to prevent discharge to surface streams or storm sewers. Then use the product as directed, or dry the product for proper disposal.. If spill occurs in living or dining quarters, clean and rinse the spill area with water containing a disinfectant. Beware of slippery floors when material becomes wet, or if spillage occurs in wet areas. Wear eye protection.

7.Handling and storage:

Handling: Use in well ventilated area, avoid stirring up dust. Avoid skin contact. Do not breath dust, mist, or fumes. Protect against eye contact.

Storage: Do not freeze\ . 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 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 : Rubber, latex, vinyl, or any gloves without pores.

Other Protective Clothing or Equipment: Coveralls, apron, gloves, boots as necessary to prevent skin contact. Clean clothing should be worn daily to avoid possible long-term build-up of the product leading to chronic overexposure.

Other: Open wounds or disruptions in the skin should be covered with a chemical-resistant patch to minimize absorption risks and infection risks.

Work/Hygienic Practices: Wash hands after handling. If material contacts wounded or broken skin, was affected area with antibacterial soap and water. Treat wound with an antiseptic to prevent infection. The bacteria contained in this product are strains of common soil and water microbes, including strains of *Bacillus*, *Streptomyces*, and *Trichoderma* fungi. Reasonable hygienic precautions are in order. Handle as you would rich, dark soil or compost: keep it out of your mouth, eyes, lungs, and broken skin. Persons who are prone to complications from exposure to ordinary bacteria or fungi (i.e., immune compromised individuals) should contact their physician before handling microbial products. Wash hands after handling. If spilled on clothes, wash separately from other clothes. Clean clothing should be worn daily.

9. Chemical and physical properties:

APPEARANCE

Physical state: Powder, heavier than air

Color: tan

Odor: characteristic

IMPORTANT DATA TO SAFETY

pH (1 : 5):

Specific weight:

Explosive properties: No

Solubility: soluble in water

10. Stability and reactivity:

Stability: the product is chemically stable

Hazardous decomposition products: Burning may release noxious fumes and gases such as carbon monoxide, nitrous oxides, acetic acid, sulfuric acid, sulphur dioxide, or other toxic compounds depending on the other combustion sources.

Materials to avoid: strong oxidizing agents, strong acids, alkali, and strong reducing agents.

Organic solvents deactivate the bacteria.

Conditions to avoid: High heat sources, sparks, open flame.

11.Toxicological Information:

The bacteria used in this product are common soil microbes, and are not considered pathogenic, that is, they are not typically involved in causing disease in plants, animals, or man.

However, persons with a compromised immune system, such as those taking anti-rejection drugs, persons with AIDS, or people receiving chemotherapy should contact their physician before handling bacterial products, and of course, be cautious to avoid inhalation of or contact with bacteria-laden product dust or aqueous mist.

Carcinogenicity: No Data

Signs and Symptoms of Exposure: None expected.

Medical Conditions Generally Aggravated by Exposure: May result in irritation or infection if product comes in direct contact with eyes or open wounds. May provoke asthmatic response in persons with asthma who are sensitive to airway irritants. Risk of both respiratory or wound infection is increased for persons with weakened immune systems. Persons with compromised immune systems, such as those with advanced AIDS, or those undergoing chemotherapy, or taking anti-rejection drugs, or anyone prone to developing infections or allergic reactions from exposure to ordinary bacteria should avoid this product.

12.Ecological information:

The product is not dangerous to the environment. The product is soluble 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

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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.