



**SAFETY DATA SHEET**  
According to REACH Regulation 1907/2006/EC  
And the Change 2020/878/EC

**BACTOMIX Destructor**

Issued date: 26.07.2023  
Revised date: 26.07.2023

Version: 1

**SECTION 1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** BACTOMIX Destructor

**Substance/mixture:** Mixture

**Other identifiers:** -

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses:** Microbiological product for agriculture

**Uses advised against** No additional information available.

**1.3. Details of the supplier of the safety data sheet:**

Supplier: VIVA fertis, JSC

**Contact details**

Apylankos g. 6, Užusalių k., LT-55333 Jonavos r.

Tel.: +370 609 97752

E-mail adress of the competent person responsible for the MSDS: <http://vivafert.eu>

**1.4. Emergency telephone number:**

Lithuanian Poison Information Bureau (24/7): Tel: **+370 5 236 20 52**; [www.apsinuodijau.lt](http://www.apsinuodijau.lt)

European Emergency: 112

**SECTION 2. Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification of the mixture In accordance with the CLP Regulation No. 1272/2008/EC**

The mixture is not classified as hazardous.

**2.2. Label elements**

**Labeling according to the CLP Regulation No. 1272/2008/EC:**

**The signal word:** not applicable.

**Hazard pictograms:** not applicable.

**Hazard statements:** not applicable.

**Additional hazard information:** not applicable.

**Precautionary statements:** not applicable.

**2.3. Other hazards**

**PBT or vPvB criteria:** Substances in the mixture does not contain substances classified as PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII, as amended.

The mixture does not contain substances with endocrine-disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**SECTION 3. Composition /information on ingredients**

**3.2. Mixtures**

The mixture consists of the materials and additives listed below.

CAS No.	EC No.	Ingredients /REACH Registration No.	Weight percent %	Classification In accordance with the CLP regulation No.1272/2008/EC
14431-43-7	200-075-1	D-glucose	60,0 - 80,0	Not classified as hazardous
68514-28-3	271-030-1	Potassium humate /01-2119484861-29-XXXX	5,0 – 10,0	Not classified as hazardous
		<i>Trichoderma harzianum</i> , <i>Trichoderma Viride</i>	2,0 – 5,0	Not classified as hazardous
		Microorganisms <i>Bacillus subtilis</i> , <i>Bacillus licheniformis</i> , <i>Lactobacillus plantarum</i> , <i>Bacillus pumilus</i>	2,0 – 5,0	Not classified as hazardous



**SAFETY DATA SHEET**  
According to REACH Regulation 1907/2006/EC  
And the Change 2020/878/EC

**BACTOMIX Destructor**

Issued date: 26.07.2023  
Revised date: 26.07.2023

Version: 1

#### SECTION 4. First aid measures

##### 4.1. Description of first aid measures

**Common information:** in all cases of doubt, or when symptoms persist, seek medical attention. In case of unconscious, do not give anything to drink or put anything in the mouth. In case of suspected poisoning of the product, seek medical advice or contact Lithuanian Poison Information Bureau: Tel: +370 5 236 20 52.

**Inhalation:** Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

**Skin contact:** Wash your hands and damaged areas of the body with plenty of water. If irritation persists, consult a doctor/medical service.

**Eye contact:** wash off with plenty of water. If a person wears contact lenses, remove it carefully and continue rinsing for at least 10-15 minutes, raising and lowering the eyelids. If irritation persists, get medical attention.

**Ingestion:** Rinse mouth. Consult a doctor/medical service if you feel unwell.

##### 4.2. Most important symptoms and effects, both acute and delayed:

No known acute or delayed effects from exposure to the product.

##### 4.3. Indication of any immediate medical attention and special treatment needed:

Symptomatic treatment.

#### SECTION 5. Firefighting measures

##### 5.1. Extinguishing media:

Suitable extinguishing media : Suitable for burning materials. Use extinguishing media that are safe for the environment; dry powder, carbon dioxide, foam, fire foam.

Unsuitable extinguishing media : No unsuitable extinguishing media known.

##### 5.2. Special hazards arising from the substance or mixture

Exposure to combustion or decomposition products can be harmful to your health.

##### 5.3. Advice for firefighters:

###### Special protective equipment for fire-fighters:

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

#### SECTION 6. Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Non-emergency personnel must leave the spill site. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapour, dust.

##### 6.2. Environmental precautions

Product not classified as hazardous for the environment.

##### 6.3. Methods and material for containment and cleaning up

Mechanically and appropriately collect the product and place it into closing containers for waste or recycling.

##### 6.4. Reference to another section

For personal protective equipment see section 8. For disposal considerations see section 13.

#### SECTION 7. Handling and storage

##### 7.1. Precautions for safe handling

###### Advice for safe handling

Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe vapour, dust. Wear personal protective equipment.

##### 7.2. Conditions for safe storage, including any incompatibilities



**SAFETY DATA SHEET**  
According to REACH Regulation 1907/2006/EC  
And the Change 2020/878/EC

**BACTOMIX Destructor**

Issued date: 26.07.2023  
Revised date: 26.07.2023

Version: 1

Keep container in a dry, cool, well-ventilated place. Keep packages tightly closed. Protect from sunlight. Keep out of reach of children. Keep away from heat sources, hot surfaces, sparks, open flames or other ignition sources. Do not smoke.

Recommended storage temperature from +5°C to +25°C.

### 7.3. Specific end use

Specified in section 1.2.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

The product does NOT contain substances with Professional Exposure Environmental Limit Values.

#### *Potassium humate (68514-28-3)*

PNEC aqua (fresh water): 0,077 mg/l

PNEC STP: 10 mg/l

**PNEC** - The Predicted No-Effect Concentrations

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Ensure adequate ventilation. Avoid dusting.

#### 8.2.2. Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

**Eye, face protection:** safety goggles appropriate for chemicals /according with EN 166/ or a face shield.

**Skin protection:** Chemical-resistant, impervious gloves in accordance with EN374.

**Body protection:** work clothes, protective footwear.

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment (dust mask).

#### 8.2.3. Environmental exposure controls

Product not classified as hazardous for the environment.

## SECTION 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state:</b>	Powder at 20 °C
<b>Colour:</b>	White.
<b>Odour:</b>	Characteristic.
<b>pH:</b>	6-8 (undiluted)
<b>Melting point/freezing point °C:</b>	83-86 °C
<b>Initial boiling point/Boiling range, °C:</b>	No data.
<b>Flash point, °C:</b>	No data.
<b>Evaporation rate (n-butylacetate =1):</b>	No data.
<b>Flammability (solid, gas):</b>	Not applicable.
<b>Upper/lower flammability or explosive limits:</b>	Not applicable.
<b>Vapour pressure:</b>	No data.
<b>Vapour density:</b>	No data.
<b>Density:</b>	0.74 g/cm <sup>3</sup>
<b>Solubility in water:</b>	Soluble.
<b>Partition coefficient (n-octanol/water):</b>	No data.
<b>Auto-ignition temperature, °C:</b>	No data.
<b>Decomposition temperature:</b>	146 °C
<b>Viscosity:</b>	No data.
<b>Explosive properties:</b>	No data.
<b>Oxidising properties:</b>	No data.
<b>Particle characteristic:</b>	No data.



**SAFETY DATA SHEET**  
According to REACH Regulation 1907/2006/EC  
And the Change 2020/878/EC

**BACTOMIX Destructor**

Issued date: 26.07.2023  
Revised date: 26.07.2023

Version: 1

9.2. Other information: none.

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

The product is stable under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

The product is stable and does not decompose under normal use.

### 10.5. Incompatible materials

Incompatible materials: Oxidizing agents, (strong) bases, (strong) acids, biocides, chemical pesticides.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. In case of high temperature and fire, hazardous substances such as carbon monoxide and carbon dioxide are formed.

## SECTION 11. Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### **Hazard Classes**

a) **Acute toxicity:** according available data, the mixture does not meet the classification criteria.

Acute toxicity for components

#### **Potassium humate (68514-28-3)**

LD50 Oral: >2000 mg/kg bw;

LD50 Dermal : >2000 mg/kg bw.

b) **Skin corrosion (or) irritation:** according available data, the mixture does not meet the classification criteria.

c) **Serious damage to the eyes and (or) eyes irritation:** according available data, the mixture does not meet the classification criteria.

d) **Respiratory or skin sensitization:** according available data, the mixture does not meet the classification criteria.

e) **Mutagenicity:** according available data, the mixture does not meet the classification criteria.

f) **Carcinogenicity:** according available data, the mixture does not meet the classification criteria.

g) **Reproductive toxicity:** according available data, the mixture does not meet the classification criteria.

h) **Specific target organ toxicity (single exposure):** according available data, the mixture does not meet the classification criteria.

i) **Specific target organ toxicity (repeated exposure):** according available data, the mixture does not meet the classification criteria.

j) **Aspiration hazard:** according available data, the mixture does not meet the classification criteria.

### 11.2. Information on other hazards

Prolonged contact with eyes, skin and respiratory tract may cause irritation. The product is compiled using microorganisms specially selected from the natural environment and which are not pathogenic to humans, animals or plants. When using, it is advised to cover open wounds.

## SECTION 12. Ecological information

### 12.1. Toxicity

According available data, the mixture does not meet the classification criteria.

No information is available regarding the ecotoxicity of the substances present.

### 12.2. Persistence and degradability

No information is available about persistence and degradability of the product.

No information is available regarding the persistence and degradability of the substances present.



**SAFETY DATA SHEET**  
According to REACH Regulation 1907/2006/EC  
And the Change 2020/878/EC

**BACTOMIX Destructor**

Issued date: 26.07.2023  
Revised date: 26.07.2023

Version: 1

**12.3. Bioaccumulative potential**

No data.

**12.4. Mobility in soil**

No data.

**12.5. Results of PBT and vPvB assessment**

Substances in the mixture does not contain substances classified as PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII, as amended.

**12.6. Endocrine disrupting properties:** No data.

**12.7. Other adverse effects:** No data.

**SECTION 13. Disposal considerations**

**13.1. Waste treatment methods**

**Disposal:** Consult federal, state and local disposal regulations to determine disposal classification and acceptable methods of disposal.

**Contaminated packaging:** Dispose of container and unused contents in accordance with federal, state and local requirements.

**SECTION 14. Transport information**

**14.1. UN Number or ID number:** Not applicable.

**14.2. UN Proper shipping name:** Not applicable.

**14.3. Transport hazard class(es):** Not applicable.

**14.4. Packing group:** Not applicable.

**14.5. Environmental hazards:** Not applicable.

**14.6. Special precautions for user:** The packages must be tightly closed. Avoid the risk of mechanical damage and overturning.

**14.7. Maritime transport in bulk according to IMO instruments:** Not applicable.

**SECTION 15. Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

General designations (laws):

- EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Corrigendum (OJ No. L 396, 30.12.2006 Corrigendum – OJ No. L 136/3 2007 5 29).

- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (OJ 2008 L 353, p.1).

- COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ L 203, 26.6.2020 p. 28–58).

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).

European Parliament and Council regulation of March 31st, 2004, no. 648/2004/EB and the change 907/2006/EB on detergents (EU Official Gazette. L104, 2004-08-08, p.1 No. L168, 2006-06-21, p.5).

- HN 23:2011 "Occupational Exposure Limit Values. Measuring the impact and General Requirements (Approved by the Minister of Health and Social Security and Labor of the 1st of September, 2011, Order No. V-824/A1-389, Official Gazette, 2011, No. 112-5274 and the change approved by the Minister of Health and Social Security of the Republic of Lithuania and the Minister of Labor in June 12, 2018, order no. V-695 / A1-272, Official Gazette, 2018-06-15, No. 9988).

- Packaging and packaging waste regulations, new redaction (Approved by the Minister of Environment of the Republic of Lithuania on the 31th of March, order No. D1-225, Official Gazette., 2016-01-01, No. 2016-06779).

- Waste management rules. (New redaction, Approved by the Minister of Environment of the Republic of Lithuania on



**SAFETY DATA SHEET**  
According to REACH Regulation 1907/2006/EC  
And the Change 2020/878/EC

**BACTOMIX Destructor**

Issued date: 26.07.2023  
Revised date: 26.07.2023

Version: 1

the 3rd of May, 2011, order No. D1-368, Official Gazette., 2011, no. 57-2721), and amendments approved by the Minister of the Environment in 2015 June 23 by order No. D1-489 (Official Gazette, 25/06/2015, No. 10138) and December 29, 2017, by order No. D1-1061 (Official Gazette, 2018-01-02, No. 57).

- Employees with personal protective equipment regulations. (Approved by the Ministry of Social Security and Labour Minister in November 26th, 2007, order No. A1-331, Official Gazette., 2007, 123-5055) and the change, approved by the Minister of Social Security and Labor of the Republic of Lithuania in April 19, 2018, by order No. A1-170 (Official Gazette, 2018-04-20, No. 2018-06281).

**15.2 Chemical safety assessment**

Not applicable.

**SECTION 16. Other information**

**Hazard classes and categories, hazard phrases texts and other marks interpretations, mentioned in Section 3 and 16:** None.

**Additional sources of the safety data sheet:**

Safety Data Sheets issued by manufacturers or suppliers of components.

Data available on the websites of the European Chemicals Agency (ECHA), other international and national organizations.

This safety data sheet must be available to anyone whose work is associated with a chemical agent. The data correspond to our current knowledge and is intended to describe safety, health and environmental aspects. The safety data sheet information will be updated with new data on the chemical mixture on health and environmental risks, preventive measures to reduce or to avoid. The safety data sheet does not constitute any specific chemical substance properties.

**End of Safety Data Sheet**