

**Safety data sheet**  
According to (EC) No. 1907/2006 (REACH)  
Trade name: BIOHEALTH TH BS WSG



Printing date 12/06/2025

Reviewed on 24/03/2025

## 1. IDENTIFICATION OF SUBSTANCE

**Trade name:** BIOHEALTH TH BS WSG

**Manufacturer/Supplier:**  
Humintech GmbH  
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**Information:** Section 16 (Contact)

## 2. IDENTIFICATION OF HAZARD

Classification according to (EC) No. 1272/2008, annex VII, regulation 67/548/EEC or regulation 1999/45/EC: The substance is not classified as dangerous to health and environment. It can cause eye, skin or respiratory tract irritation at sensitive individuals.

## 3. COMPOSITION/ INFORMATION ABOUT COMPONENTS

**Substance:** This product is a physical blend of potassium humate, seaweed extract, Bacillus subtilis and Trichoderma harzianum

**Mixtures** Potassium salts of Humic acids  
CAS-No.: 68514-28-3; EINECS-No.: 271-030-1  
Dried seaweed extract (Ascophyllum nodosum)  
CAS-No. 84775-78-0, EINECS-No. 283-907-6

## 4. FIRST AID MEASURES

### General information:

In case of irritation or health complaints, consult a doctor and provide this MSDS.

### After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

### After skin contact:

Instantly wash with water and soap and rinse thoroughly. If symptoms persist, consult a doctor.

### After inhalation:

Provide fresh air. If symptoms persist, consult a doctor.

### After swallowing:

Rinse out mouth and then drink plenty of water. In case of persistent symptoms consult a doctor.

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## 5. FIRE FIGHTING MEASURES

**Suitable extinguishing agents:**

Water, foam, extinguishing powder, CO<sub>2</sub>

**Improper extinguishing agents:**

None

**Special hazards caused by the material, its products of combustion or resulting gases:**

Can be released in case of fire: CO, CO<sub>2</sub>

**General information for fire-fighters:**

The product is not flammable. Combustion residues and contaminated fire water are to be disposed according to local regulations. Avoid skin contact by wearing protective clothing and keeping a safety distance.

Contaminated extinguisher water should not be collected separately and should not go to the canalization.

## 6. ACCIDENTAL RELEASE MEASURES

**Person-related safety precautions, protective equipment and measurements in case of emergency:**

Protective gloves and safety glasses to avoid skin and eye contact.

Avoid dust development.

Ensure sufficient aeration and sufficient inhalation protection.

**Measures for environmental protection:**

Prevent the concentrated product from entering drainage systems, surface water, or groundwater.

**Measures for collecting and cleaning:**

Isolate product and collect it in suited containers. Dispose of residues according to local regulations. Do not release into drainage systems

**Reference to section:**

Please note safety measures under section 7 and 8.

## 7. HANDLING AND STORAGE

**Measures for safe handling:**

Do not leave containers open.

Avoid dust development. In situations of dust development ensure sufficient aeration.

Observe minimum standards according to TRGS 5001. These include common hygiene measures like

- not to eat, drink and smoke in working areas
- to wash hands after handling of the product
- to take off contaminated clothing and protective equipment before entering break rooms.

**References to measures regarding fire and explosion control:**

No special measures required.

**Storage conditions:** Store in cool, dry conditions in well-sealed containers. Keep in well-ventilated storage areas away from incompatible materials.

**Requirements to be met by storerooms and containers:**

Do not store together with feeding or food stuffs.

**Storage class:** 13

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## 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Parameters to be monitored:**

When handling with chemicals the usual protective measures should be considered.

**Breathing protection:**

Not required if room is well-ventilated. Wear respirator in case of dust formation.

**Eye protection:**

Safety glasses

**Hand protection:**

Safety gloves

**Body protection:**

Safety working clothes

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**General information:**

**Aggregate state:**

Solid, water-soluble granules

**Colour:**

Black brown

**Odour:**

Imperceptible

**pH value:**

9-10 (10% water solution)

**Boiling point / range:**

Not determinable

**Melting-/freezing point:**

Not determinable

**Flash point:**

Not applicable

**Relative auto-ignition temperature:**

Not determinable

**Explosive features:**

Not explosive

**Water solubility:**

Soluble in water (> 200 g/L)

**Bulk density:**

0.6-0.65 g/cm<sup>3</sup>

## 10. STABILITY AND REACTIVITY

**Reactivity:**

Slight reactivity

**Chemical stability:**

The product is stable under normal usage and storage conditions.

**Dangerous reactions:**

No dangerous reactions to be expected if used according to specifications.

**Conditions to be avoided:**

Contact with strong oxidants

**Incompatible materials:**

Strong oxidants

**Dangerous products of decomposition:**

CO, CO<sub>2</sub> in case of fire

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## 11. TOXICOLOGICAL INFORMATION

The product can cause eye, skin or respiratory tract irritation at sensitive persons.

**Acute toxicity:**

**Acute oral toxicity (acc. EU B.1):**

LD<sub>50</sub> > 2000 mg/kg (rat)

**Acute dermal toxicity (acc. EU B.3):**

LD<sub>50</sub> > 2000 mg/kg (rat)

**Skin irritation (acc. EU B.4):**

No irritating effect on skin (rabbit)

**Eye irritation (acc. EU B.5):**

No irritating effect on skin (rabbit)

**Sensitization (acc. EU B.42):**

May cause sensitization

**Toxicity after repeated doses: (acc. EU B.7):**

28 day oral test (rat): NOAEL  
(No observed adverse effect level)  
500 mg/kg/day

**Carcinogenicity:**

No data available

**Mutagenity (acc. EU B.12/13/14; OECD 473):**

in vitro: ames test negative  
Chromosomal aberration test negative  
in vivo: micronucleus test negative

**Reproduction toxicity:**

No data available

**Further references:**

None

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**

**Acute toxicity for fish (*Poecilia reticulata*) acc. EU C.1**

24 hours – LC<sub>50</sub> > 128 mg/L

24 hours – NOEC = 128 mg/L

48 hours – LC<sub>50</sub> > 128 mg/L

48 hours – NOEC = 128 mg/L

72 hours – LC<sub>50</sub> > 128 mg/L

72 hours – NOEC = 128 mg/L

96 hours – LC<sub>50</sub> > 128 mg/L

96 hours – NOEC = 128 mg/L

**Acute toxicity for daphnia (*Daphnia magna*) acc. EU C.2**

24 hours – LC<sub>50</sub> > 116 mg/L

24 hours – NOEC = 116 mg/L

48 hours – LC<sub>50</sub> > 116 mg/L

48 hours – NOEC = 116 mg/L

**Alga growth inhibition:**

No data available

**Act. sludge respiration inhibition (acc. EU C.11):** EC<sub>50</sub> > 1000 mg/L

**Persistence and decomposition (acc. EU C.4-E and EU C.7):**

The substance is not easily degradable biologically. 2% decomposition within 28 days. Abiotic decomposition - Hydrolysis as a pH function: under pH 4.7 and 9 (25°C) is the decomposition half time longer than 1 year.

**Bio-accumulating potential (acc. EU A.8):**

Coefficient of distribution: log P<sub>OW</sub> = -2.16 ± 0.45 (pH=9.1; 23°C); Bio-concentrating factor (BCF):  
No data available.

**Mobility in the soil:**

High amounts of the product can pollute ground and surface water. Therefore, it is necessary to take care of accurate handling to avoid the leakage of the concentrated product into ground and surface water.

**PBT and vPvB assessment results:**

No data available

**Other adverse effects:**

No data available

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### 13. DISPOSAL CONSIDERATIONS

**Waste treatment:**

No dangerous waste. Avoid dust formation. Product has to be disposed according to official local regulations. Agree exact waste code with waste disposal contractor.

**Waste code:**

No data available

**Packaging:**

Dispose of contaminated and cleaned packaging in accordance with local regulations.

### 14. TRANSPORT INFORMATION

**UN number:**

No dangerous good

**Methodical UN transport labelling:**

**ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR:** No dangerous good

**Transport dangerous Goods classes:**

No data available

**Packaging group:**

No data available

**Environmental perils:**

**ADR/RID / IMDG-Code/ICAO-TI/IATA-DGR:** no

**Special notes for users:**

See sections 6-8

### 15. REGULATORY INFORMATION

**Regulations for safety, sanitary and environmental protection/specific laws for the substance or the mixture:**

**EU directives:**

**Directive (EC) No. 2037/2000, directive (EC) No. 850/2004, directive (EC) No. 689/2008 and directive (EC) No. 648/2004:** Not applicable

**Limitations according to section VIII of the directive (EC) 1907/2006:** None

**National directives:**

**water hazard class:**

WGK0: In general, not hazardous to waters (self-rating).

**Substance safety assessment:**

The substance has not been safety assessed.

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## 16. OTHER INFORMATION

### **Bibliographical references and data origins:**

#### **Directives:**

Preparations directive (1999/45/EG) as last amended by Commission Directive (EC) No. 1907/2006. Substance Directive (67/548/EEC), as last amended by Commission Directive 2009/2/EC. REACH Directive (EC) No. 1907/2006, as last amended by Commission Directive (EU) Nr. 453/2010. Directive (EC) No. 1272/2008, as last amended by Commission Directive (EC) No. 790/2009.

#### **Internet:**

<http://www.baua.de>

#### **Hazard notes referred to in section 2 and 3:**

##### **According to Directive (EC) No. 1272/2008:**

None

##### **According to Directive 67/548/EEC:**

Based on available data the product is not a dangerous preparation as defined by the Chemicals Act and the Hazard Substance Directive. No specific labelling requirements according to the Hazard Substance Directive.

##### **Methods according to item 9 of Directive (EC) No. 1272/2008 for the assessment of information for the purpose of classification:**

None

This data is based on our present knowledge. It can neither be regarded as a product quality guarantee nor as a basis of a contractual legal relationship.

#### **Data sheet issuing sector:**

Product safety department

#### **Contact:**

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