

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 as amended by Commission Regulation (EU) 2020/878 and Regulation (EC) No. 1272/2008

## Hortimed HUMUS Biostimulant

Issuing date: 24.11.2023. Revision date: 24.11.2023. Revision number: 1

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name:	<b>Hortimed HUMUS Biostimulant</b>
Pure substance/mixture	<b>Liquid</b>
Other information	-

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

Use of the Substance	<b>Biostimulant</b>
Uses advised against	No specific uses advised against are identified

#### 1.3. Details of the supplier of the safety data sheet

**HORTIMED SIA Akmeņu iela 45, Ogre, LV-5001, Latvia**

**Telephone: (+371) 6210 3000**

E-mail address of person responsible for the SDS

[info@hortimedpeat.com](mailto:info@hortimedpeat.com)

#### 1.4. Emergency telephone number

Safety & Environment Center: +371 67042473

Fire and Rescue Department: 112

## SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

### 2.2. Label elements (REGULATION (EC) No 1272/2008):

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 2.3. Other hazards:

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

#### Endocrine Disruptor information

This product does not contain any kind of suspected endocrine disruptors.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Chemical nature

Mixture natural substances, aqueous solution



### 3.3. Hazardous components:

Chemical name	CAS-No. EC-No. Index No. Registration Number	Classification according to the notifications provided by companies to ECHA in REACH registrations	Concentration (% w/w)
Potassium Hydroxide	CAS 1310-58-3 EC 215-181-3	No hazards have been classified	2.98 %

This product does not contain candidate substances of very high concern at concentration  $\geq 0.1\%$  (regulation (EC) No. 1907/2006 (REACH), article 59).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures:

<b>General advice</b>	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wash hands with water as a precaution.
<b>Inhalation</b>	If breathed in, move person into fresh air. If unconscious place in recovery position and seek medical advice.
<b>In case of skin contact</b>	Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.
<b>In case of eye contact</b>	Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist.

If swallowed	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call physician.
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## 4.2. Most important symptoms and effects, both acute and delayed

Symptoms	No information available
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## 4.3. Indication of any immediate medical attention and special treatment needed

Treatment	Treat symptomatically
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Product is compatible with standard fire-fighting agents.
Unsuitable extinguishing media	None

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

Specific hazards during Firefighting	No particular hazards known.
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## 5.3. Advice for firefighters

<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and chemical protective clothing.
<b>Further information</b>	Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Avoid contact with skin, eyes and clothing
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### 6.2. Environmental precautions

Do not let product enter drains, surface water or subsoil water.

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

<b>Methods for cleaning up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). After cleaning, flush away traces with water.
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### 6.4 Reference to other sections

For personal protection see section 7. and 8. For disposal considerations see section 13.



## SECTION 7: Handling and storage Precautions for safe handling

### 7.1. Precautions for safe handling

<b>Advice on safe handling</b>	Wear personal protective equipment. When using do not eat or drink. Take notice of the directions of use on the label. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapor or mist. Wash hands before breaks and at the end of workday.
<b>Advice on protection against fire and explosion</b>	No special precautions required.
<b>Hygiene measures</b>	General industrial hygiene practice. Wash hands before breaks and at the end of workday. Keep away from food and drink.

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

<b>Requirements for storage areas and containers</b>	Keep only in the original container in a cool, well-ventilated place. Store protected against frost. Protect against heat.
<b>Further information on storage conditions</b>	Store in dry and cool place, away from direct sunlight. Keep away from heat.
<b>Advice on common storage</b>	Keep out of reach of children.  Keep away from food, drink and animal feedingstuffs



<b>Recommended storage temperature</b>	Keep away from excess heat and with a temperature between +5°C and +30°C. Keep well separated from other chemical substances in the original container.
<b>Storage class</b>	Non-combustible Liquids

## 7.3. Specific use(s)

Always read the label and product information before use.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits

Chemical Name	CAS No	Exposure routes	Potential Health Effects	Value
Potassium Hydroxide	CAS 1310-58-3	Ingestion and Inhalation	not known	n/a

### 8.2. Exposure controls

<b>Engineering controls</b>	No special precautions required.
<b>Personal protective equipment</b>	Not required under normal use.
1. Eye protection	Avoid contact with eyes.
2. Hand protection	Skin should be washed after contact.
3. Skin and body protection	Long sleeved clothing preferable.
4. Respiratory protection	Do not breathe vapors or spray mist.



5. General hygiene considerations	Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace.
6. Environmental exposure controls	No special precautions required.



Individual protection features (Icons)

## SECTION 9. Physical and chemical properties

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

<b>Appearance</b>	Liquid
<b>Physical state</b>	Liquid
<b>Color</b>	Dark brown
<b>Odor</b>	Odorless
<b>pH</b>	11-13
<b>Melting point/freezing point</b>	No data available
<b>Initial boiling point and boiling range</b>	No data available
<b>Density</b>	1.04 g/cm <sup>3</sup> (25 °C)
<b>Explosive properties</b>	Not explosive
<b>Flammability</b>	No data available
<b>Flash point</b>	The product is not flammable



<b>Oxidizing properties</b>	The substance or mixture is not classified as oxidizing
<b>Autoignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Kinematic viscosity</b>	No data available
<b>Water solubility</b>	No data available
<b>Solubility(ies)</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Relative density</b>	No data available
<b>Vapour density</b>	No data available
<b>Particle characteristics</b>	No data available

## 9.2. Other information

### 9.2.1. Information with regards to physical hazard classes

Not applicable

### 9.2.2. Other safety characteristics

No information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions None known.



**10.4 Conditions to avoid** Avoid UV-radiation. Keep away from direct sunlight. Avoid heat.

## 10.5 Incompatible materials

None known.

## 10.6. Hazardous decomposition products

In case of fire hazardous decomposition products may release toxic and irritating fumes.

## SECTION 11: Toxicological information

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

#### Acute toxicity

#### Information on likely routes of exposure

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. Health injuries are not known or expected under normal use.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Health injuries are not known or expected under normal use.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Health injuries are not known or expected under normal use.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Health injuries are not known or expected under normal use.

#### Symptoms related to the physical, chemical and toxicological characteristics

Health injuries are not known or expected under normal use.

#### Acute toxicity



No information available.

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors.

### 11.2.2. Other information

#### Other adverse effects

None known based on information supplied.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Toxicity to fish</b>	Product is not toxic to fish.
<b>Toxicity to daphnia and other</b>	Product is not toxic to daphnia, aquatic invertebrates, or algae.
<b>Toxicity to microorganisms</b>	Product is not toxic to microorganisms.
<b>Ecotoxicity</b>	Based on available data, the classification criteria are not met. Not considered to be harmful to aquatic life.

### 12.2. Persistence and degradability

No information available.



### 12.3. Bioaccumulative potential

Not likely to bioaccumulate.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

The product does not contain any substance(s) classified as PBT or vPvB.

### 12.6. Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors.

### 12.7. Other adverse effects

None known based on information supplied.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Waste from residues/unused Products</b>	<p>Recover or recycle if possible. This material and its container must be disposed of in a safe way. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.</p> <p>Do not flush into surface water or sanitary sewer system.</p> <p>The waste codes are manufacturer's recommendations based on the designated use of the product.</p>
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<b>Contaminated packaging</b>	Do not reuse empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal according to the regulation of local authority.
<b>European Waste Catalogue</b>	02 01 09 Waste of agricultural chemicals other than those mentioned in 02 01 08.

## SECTION 14: Transport information

<b>UN number or ID number</b>	Not regulated
<b>UN proper shipping name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Environmental hazards</b>	Not applicable
<b>Special precautions for user</b>	None
<b>Maritime transport in bulk according to IMO instruments</b>	No information available
<b>Annex II of Marpol</b>	Not applicable for product as supplied

## SECTION 15: Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

No specific Safety, health and environmental regulations/legislation is applicable to this substance. Chemical safety assessment: A Chemical Safety Assessment is not required for this substance.

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)



Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

## Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

## SECTION 16 - OTHER INFORMATION

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Legend

ATE: Acute Toxicity Estimate

SVHC: Substances of Very High Concern for Authorisation:

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method



Carcinogenicity	On basis of test data
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

### Key literature references and sources for data used to compile the SDS

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
 European Chemicals Agency (ECHA) (ECHA\_API)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
 Organisation for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

**Issuing Date** 24-Nov-2023

**Revision Date** 24-Nov-2023

**Revision Note** Initial release



This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

## Disclaimer

*The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.*

*End of Safety Data Sheet*

