

Safety data sheet
According to (EC) No. 1907/2006 (REACH)



Trade Name: PERLHUMUS

Printing date 27/02/2026

Reviewed on 10/09/2025

1. IDENTIFICATION OF SUBSTANCE

1.1 Product identifier

Trade name: PERLHUMUS

Article No.: 101FO425XX

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

Application of substance/ the preparation: Intermediate

1.3 Details of the supplier of the safety data sheet

Manufacturer/ Supplier: Humintech GmbH
Am Pösenberg 9-13
41517 Grevenbroich/ Germany

Tel.: +49 2181 70 676 0

www.humintech.com

info@humintech.com

1.4 Emergency telephone number

Information: See section 16

Emergency information: See Manufacturer/ Supplier

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word Not required.

Pictograms Not required.

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3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substance:

Chemical characterization:	Humic acids
Chemical state:	Solid
CAS No.:	1415-93-6
Identification No.:	
EINECS No.:	215-809-6

3.2 Mixtures:

No mixture.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General notes

Self-protection of the first aider.

Remove affected person from the danger area and lay down.

In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Take off contaminated clothing.

If skin irritation or rash occurs: Get medical advice/attention.

Following eye contact

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Following ingestion

Rinse mouth. Do not induce vomiting.

Call a doctor.

Notes for the doctor

None.

4.2 Most important symptoms and effects, both acute and delayed

This information is not available

4.3 Indication of any immediate medical attention and special treatment needed

None.

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5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
water spray, alcohol resistant foam, fire extinguishing powder, carbon dioxide (CO₂)
Unsuitable extinguishing media
water jet

5.2 Special hazards arising from the substance or mixture

Combustible.
Hazardous decomposition products: Section 10.
Hazardous combustion products
nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂)

5.3 Advice for firefighters

Keep containers cool with water spray.
In case of fire and/or explosion do not breathe fumes.
Co-ordinate firefighting measures to the fire surroundings.
Do not allow firefighting water to enter drains or water courses.
Collect contaminated firefighting water separately.
Fight fire with normal precautions from a reasonable distance.
Special protective equipment for firefighters
Self-contained breathing apparatus (EN 133)

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ventilate affected area.
Eliminate all ignition sources if safe to do so.
Do not breathe vapour/spray.
Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water.
Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Bunding
Covering of drains.

Advice on how to clean up a spill

Collect spillage.
Absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.).

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Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal.

Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5.

Personal protective equipment: see section 8.

Incompatible materials: see section 10.

Disposal considerations: see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Information on safe handling:

Ensure good ventilation/ exhaustion at the workplace.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Dust can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and containers:

No special requirements.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Store in cool, dry conditions in well-sealed containers.

Storage class:

7.3 Specific end use(s):

Intermediate.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Additional information about design of technical systems:

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No further data; see item 7.

Components with limit values that require monitoring at the workplace:

Not applicable.

8.2. Exposure controls

General protective and hygienic measures:

Keep away from foodstuff, beverages and feeding stuff. Take off polluted clothes. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.

Breathing equipment:

While formation of dust. Not necessary if room is well-ventilated.

Eye protection:

Tightly sealed safety glasses.

Body protection.

Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Solid
Colour	dark brown
Odour	Not distinguishable
Melting point/freezing point	Above 250 °C destroyed to CO ₂ , H ₂ O and soot
Boiling point or initial boiling point and boiling range	not determined
Flammability	not determined
Lower and upper explosion limit	not determined
Flash point	not determined
Auto-ignition temperature	not determined
Decomposition temperature	not relevant
pH (value)	5-6
Kinematic viscosity	not determined
Dynamic viscosity	not determined
Solubility(ies)	
Water solubility	low
Partition coefficient n-octanol/water (log value)	not determined
Vapour pressure	not determined
Density and/or relative density	
Density	0,55-0,60 g/cm ³
Relative vapour density	information on this property is not available
Particle characteristics	1-6 mm

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9.2 Other Information

No further relevant information available.

10. STABILITY AND REACTIVITY

10.1 Reactivity:

No information available.

10.2 Chemical stability:

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:

No information available.

10.4 Condition to avoid:

Heating.

10.5 Incompatible materials:

Strong Oxidants.

10.6 Hazardous decomposition products:

In the event of fire, see section 5.

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity:

LD50/ Oral/ rat: mg/kg

> 11,5 g/kg – very weakly toxic

LC50/ Inhal/ rat: mg/L

Primary irritant effect:

On skin:

No irritating effect.

On eyes:

No irritating effect.

After inhalation:

No irritating effect.

11.2 Information on other hazards:

The product has to be handled with the necessary caution.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

No information available.

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12.2 Persistence and degradability:

Do not allow to enter ground water, waters or sewage water systems.

12.3 Bioaccumulative potential:

No information available.

12.4 Mobility in soil:

Spontaneous coupling by biochemical reaction in soil.

12.5 Results of PBT and vPvB assessment:

PBT/vPvB assessment not available as chemical safety assessment not required/not carried out.

12.6 Endocrine disrupting properties:

This substance has no relevant endocrine-disrupting properties for non-target organisms, as it does not meet the criteria set out in Section B of Regulation (EU) No 2017/2100.

12.7 Other adverse effects:

Generally, not hazardous for water. No further relevant data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

Sewage disposal-relevant information

Do not empty into drains.

Waste treatment of containers/packagings

Completely emptied packages can be recycled.

Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions.

14. TRANSPORT INFORMATION

14.1 UN number or ID number	not subject to transport regulations
14.2 UN proper shipping name	-
14.3 Transport hazard class(es)	-
14.4 Packing group	-
14.5 Environmental hazards	-
14.6 Special precautions for user	-
14.7 Maritime transport in bulk according to IMO Instruments	-

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15. REGULATORY INFORMATION

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

Classification and labelling according to Regulation (EC) No. 1272/2008 (CLP):

The product is not classified as hazardous.

No hazard pictograms, signal words or hazard statements required.

Regulation (EC) No. 1907/2006 (REACH):

Restrictions according to Annex XVII: None.

Authorisations according to Annex XIV: Not applicable.

Other EU regulations:

Regulation (EC) No. 850/2004 on persistent organic pollutants (POPs): Not applicable.

Regulation (EU) No. 649/2012 (Prior Informed Consent, PIC): Not applicable.

Regulation (EC) No. 1005/2009 on ozone-depleting substances: Not applicable.

Regulation (EC) No. 648/2004 (Detergents): Not applicable.

VOC regulations: Not applicable.

National regulations (Germany):

Water hazard class (WGK): Not hazardous to water (self-assessment).

No further specific national regulations known.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this substance/mixture.

16. OTHER INFORMATION

This data is based on our present knowledge. However, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing data specification sheet: Product Safety Department

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