

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



Trade Name: HS-300 BIO

Printing date 27/02/2026

Reviewed on 25/08/2025

1. IDENTIFICATION OF SUBSTANCE

Product details

Trade name: HS-300BIO
Application of substance/ the preparation: Biostimulant
Manufacturer/ Supplier: Humintech GmbH
Am Pösenberg 9-13
41517 Grevenbroich/ Germany

Tel.: +49 2181 70 676 0

www.humintech.com
info@humintech.com

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 Mixtures

Ingredient name	EC No.	CAS No.	REACH Reg. No.	Conc. (wt%)	CLP-Classification
Leonardite	603-338-2	129521-66-0	not available	30	Not classified

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.

5. FIRE FIGHTING 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.

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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.).

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.

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7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes.

Do not breathe vapour/spray.

Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation.

Keep away from sources of ignition - No smoking.

Measures to protect the environment

Avoid release to the environment.

Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point.

Advice on general occupational hygiene

Do not eat, drink and smoke in work areas.

Wash hands after use.

Preventive skin protection (barrier creams/ointments) is recommended.

Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Flammability hazards

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible substances or mixtures

Incompatible materials: see section 10.

Protect against external exposure, such as
heat, frost

Consideration of other advice

Keep away from food, drink and animal feedingstuffs.

Ventilation requirements

Provision of sufficient ventilation.

Specific designs for storage rooms or vessels

Keep container tightly closed and in a well-ventilated place.

Keep cool.

Packaging compatibilities

Keep only in original container.

7.3 Specific end use(s)

No information available.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Additional information about design of technical systems:

No further data; see item 7.

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8.2 Components with limit values that require monitoring at the workplace:

Not applicable.

8.3 Personal protective equipment:

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:

In exceptional situations (for example, unintentional release of substances, exceeding the workplace limit value), respiratory protection is required. Observe wearing time limits. Respiratory protection: Particle filter P3, color code: white.

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	liquid
Colour	dark brown
Odour	odourless
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling Range	Above 250 °C destroyed to CO ₂ , H ₂ O and soot
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)	3,5-4,5
Kinematic viscosity	not determined
Dynamic viscosity	not determined
Solubility(ies)	
Water solubility	miscible
Partition coefficient n-octanol/water (log value)	not determined
Vapour pressure	not determined

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Density and/or relative density

Density

1,12-1,14 g/cm³

Relative vapour density

information on this property is not available

Particle characteristics

not relevant

10. STABILITY AND REACTIVITY

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Frost.

High temperatures.

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

Hazardous combustion products: see section 5.

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity:

Classification-relevant LD / LC50 values:

No information.

11.2 Primary irritant effect:

On skin:

No irritating effect.

On eyes:

No irritating effect.

After inhalation:

No irritating effect.

11.3 Additional information:

The product has to be handled with the necessary caution.

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12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity: No information.

12.2 Persistence and degradability

Easily biodegradable.

12.3 Bioaccumulative potential

No further relevant information is available.

12.4 Mobility in soil

No information.

12.5 Results of PBT and vPvB assessment

PBT: Nicht anwendbar.

vPvB: Nicht anwendbar.

12.6 Other adverse effects:

Keine weiteren relevanten Informationen verfügbar.

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.

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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	-

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

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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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