

Safety data sheet

according to Regulation (EC) No 1907/2006

Product name : 25105-002

Natural Humin 500 ml

25150-002 Natural Humin

5000 ml

Revised on : 03.02.2022

Version number : 2

Replaces version number :

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

1.1 Product identifier

Product name: Natural Humin

Product type: Liquid

Art. no. 25105-002 or 25105 Contents 500 ml

Art. no. 25150-002 or 25150 Contents 5000 ml

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

Relevant identified uses

Water conditioner

1.3 Details of the supplier providing the safety data sheet

Supplier

Discusfood UG (limited liability)

Locon Way 23

58708 Menden

Phone: 02373/9162050

info@discusfood.com

1.4 Emergency number

+4923739162050

SECTION 2: Possible dangers

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008

The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.

2.2 Labelling elements

Not applicable

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.1 Substances

Ingredient name	Identification	%	EU Classification	GHS Classification
Humic acid	CAS No. 1415-93-6 EC No 215-809-6	25,0	Not classified	Not classified
Drinking water H ₂ O	CAS No. 7732-18-5 EGN No. 231-791-2	75,0	Not classified	Not classified

Substances with Union occupational exposure limits are listed in Section 8

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SECTION 4: First aid measures

4.1 Description of the first aid measures

General notes:

Consult a doctor if symptoms persist

After inhalation:

. Get some fresh air

After skin contact:

Wash off with plenty of soap and water.

After eye contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove existing contact lenses if possible. Continue rinsing.

After ingestion:

Rinse mouth thoroughly with water and rinse with plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

None known

4.3 Indications for immediate medical help or special treatment

Symptomatic treatment

SECTION 5: Fire fighting measures

5.1 Extinguishing agent

Suitable extinguishing agents

Water spray, water mist. Adapt the extinguishing agent to the environment of the fire

Unsuitable extinguishing agents

Carbon dioxide (CO₂). Extinguishing powder, full water jet. Strong pressure can cause the powder material to blow away.

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following may be produced: Carbon dioxide, carbon monoxide, sodium oxide

5.3 Advice for firefighting

In case of fire: Wear self-contained breathing apparatus. Full protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment

Avoid contact with skin, eyes and clothing

Avoid dust formation. Do not inhale dust

6.2 Environmental protection measures

No special environmental protection measures required.

6.3 Methods and material for retention and cleaning

Pick up mechanically. Treat the picked up material according to section Disposal.

6.4 Reference to other sections

Safe handling see section 7; Personal protective equipment see section 8 - Notes Disposal see section 13

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SECTION 7: Handling and storage

7.1 Protective measures for safe handling

Notes on safe handling

Avoid dust formation. Do not eat, drink or smoke while working. .

Notes on fire and explosion protection

No special fire protection measures required

7.2 Conditions for safe storage taking into account incompatibilities

Requirements for storage rooms and containers

Keep/store only in the original container.

Keep container tightly closed

Keep container dry

Keep away from oxidising agents. Storage class according to TRGS 510; 11(flammable solids that cannot be assigned to any of the existing LGK).

7.3 Specific end uses

n.a.

SECTION 8: Exposure controls/personal protective equipment

8.1 Parameters to be monitored

Occupational exposure limit values

CAS no.	Designation	Ppm.	Mg/m ³	F/m ³	Tip gr.	Art
-	General dust limit, alveolar fraction (A)		1,25A			
-	General dust limit, inhalable fraction (E)		10E		2(II)	

8.2 Limitation and supervision of exposure / Personal protective equipment

Suitable technical control devices

Ensure sufficient ventilation and spot extraction at critical points.

Personal protective equipment

Eye/face protection

If necessary, wear eye/face protection.

Skin protection

Wear protective gloves for long-term use.

Hand protection

Protective gloves in case of need

Other protective measures

Wash hands before breaks and at the end of work. Do not eat, drink or smoke while working.

Breathing protection

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Wear respiratory protection in case of insufficient ventilation. Filter type P2, P3.

Thermal hazards

There are no data available.

Limitation and monitoring of environmental exposure

No special environmental protection measures required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

	Parameter	Value	Method	Comment
a)	State of aggregation	Liquid		
b)	Colour	Black/brown		
c)	Smell	odourless		
d)	Melting point/freezing point	n.b.		
e)	Boiling point or initial boiling point and boiling range	n.b.		
f)	Flammability	n.b.		
g)	Lower explosion limit upper explosion limit	n.b. n.b.		
h)	Flash point	n.z.		
i)	Ignition temperature	n.b.		
j)	Decomposition temperature	n.b.		
k)	pH value	9-11		
l)	Kinematic viscosity	n.z.		
m)	Solubility	369g/L water		
n)	Partition coefficient n-octanol/water (log value)	-2,08.		
o)	Vapour pressure	5.27 hPa.		
p)	Density and/or specific gravity	1,517.		
q)	Relative vapour density	n.b.		
r)	Particle properties	n.z.		

* Values refer to n.b. = not determined n.z. = not applicable

9.2 Other information

Surface tension: 66.6 mNm (20°C, 1g/l water)

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if handled according to specifications.

10.2 Chemical stability

Under normal storage conditions, this product is stable.

10.3 Possibility of hazardous reactions

Not known

10.4 Conditions to avoid

Oxidising agent

10.5 Incompatible materials

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Oxidising agents

10.6 Hazardous decomposition products

In case of fire, the following may occur: see section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes within the meaning of Regulation (EC) No 1272/2008

acute toxicity

Ingredient	Test	Art	Dose
Humic acids/sodium salts	LD50, oral LD50 dermal	Rat	>2000 mg/kg >2000 mg/kg

Corrosive/irritant effect on the skin

Irritant effect on the skin: non-irritant

Serious eye damage/irritation

Irritant effect on the eye: non-irritant

Sensitisation of the respiratory tract/skin

No classification-relevant effects.

Germ cell mutagenicity

There is no information available.

Carcinogenicity

No data available.

Reproductive toxicity

There are no data available.

Specific target organ toxicity at single exposure

There is no information available.

Specific target organ toxicity in case of repeated exposure

Chronic oral toxicity: NOAEL= 500 mg/kg/d

Rat (28d)

Aspiration hazard

n.a.

11.2 Information on other hazards

n.a.

11.2.1 Endocrine disrupting properties

n.a.

11.2.2 Other information

n.a.

SECTION 12: Environmental information

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12.1 Toxicity

12.2 Persistence and degradability

Not available

12.3 Bioaccumulative potential

Not available

12.4 Mobility in soil

12.5 Results of the PBT and vPvB assessment

There is no information available.

12.6 Endocrine disrupting properties

There is no information available.

12.7 Other adverse effects

There is no information available...

SECTION 13: Notes on disposal

13.1 Waste treatment process

Waste code

Product: No waste code has been defined for this product. Disposal according to official regulations.

Cleaned packaging

Empty containers should be sent for local recycling or reclamation

SECTION 14: Transport information

14.1 UN number or ID number

Not a dangerous good in the sense of these transport regulations.

14.2 UN proper shipping name

No dangerous goods within the meaning of these transport regulations

14.3 Transport hazard classes

Not a dangerous in the sense of these transport regulations.

14.4 Packing group

No dangerous goods within the meaning of these transport regulations

14.5 Environmental hazards

No

14.6 Special precautions for the user

Note in sections 4 to 8

14.7 Carriage in bulk by sea in accordance with IMO instruments

Not applicable

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SECTION 15: Legislation

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

National regulations:

Water hazard class: - not hazardous to water

Status: Mixture rule according to VwVwS Annex 4, No. 3

EU Directive No. 2012/18/EU (SEVESO III) : 67/548/EEC and 1999/45/EC (incl. amendments):

Not applicable

15.2 Chemical Safety Assessment

Substance safety assessments for substances in this mixture have not been carried out.

SECTION 16: Other information

The product must not be used for any purpose other than that stated in section 1.

Training information

No data available

Annex with exposure scenarios

n.a.

Legend

n/a - not available

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50

The information contained herein is based on current knowledge. The information

This SDS for the product in question is intended to provide you with information on the safe handling of the product.

the storage, processing, transport and warehousing. The information is not transferable to other products. This SDS has only been prepared for this product and intended exclusively for this purpose.