

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name: Huminsäuren Spezialdünger - bei schlechten Böden im Garten****UFI: 8V30-5029-800N-MF3N****1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture** Fertiliser**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:****Rasendoktor c/o Turf Handels GmbH**

Am Hartboden 48

8101 Gratkorn

Austria

T: +43 3124 29064

**Further information obtainable from:** office@rasendoktor.at**1.4 Emergency telephone number:**

+43 3124 29064

Available during office hours:

Mo - Th: 8 a.m. - 4.30 p.m.

Fr: 8 a.m. - 2.30 p.m.

**Call the national emergency number!****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

**Additional information:** For the wording of the hazard categories, see section 16.**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

GHS07

**Signal word** Warning**Hazard-determining components of labelling:**

Humic acid

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**Hazard statements**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

**Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P261 Avoid breathing dust.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves / eye protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards**

May irritate eyes and skin.  
Inhalation of dust can irritate the respiratory tract.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.  
**vPvB:** Not applicable.

**Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine-disrupting properties  $\geq 0.1$  %(w/w).


**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

[% (w/w)]

|                   |  |          |
|-------------------|--|----------|
| CAS: 1415-93-6    | Humic acid   | 60 - 90% |
| EINECS: 215-809-6 |  Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 |          |

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:**

In case of discomfort or doubt, seek medical advice.  
If unconscious, use a stable lateral position and do not administer anything through mouth.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Wash with plenty of soap and water.  
Take off contaminated clothing and wash it before reuse.  
Seek medical treatment in case of complaints.

**After eye contact:**

Rinse opened eye for several minutes under running water.

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Remove contact lenses, if present and easy to do. Continue rinsing.  
Do not rub the eye dry, as mechanical friction can also cause corneal damage.  
Seek medical treatment in case of complaints.

**After swallowing:**

Rinse mouth.

If the patient is conscious, give small amounts of water to drink.

Do not induce vomiting; call for medical help immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

Depending on the condition of the patients, the doctor must assess the symptoms and the overall general condition.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** Water with full jet

**5.2 Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

CO<sub>x</sub>, SO<sub>x</sub>

**5.3 Advice for firefighters****Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Restricted access to the affected area until cleaning work is completed.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with skin and eyes.

Avoid formation of dust.

Avoid breathing dust.

**6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Inform respective authorities in case of seepage into water course or sewage system.

**6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Store to re-use.

Dispose contaminated material as waste according to section 13.

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

Avoid contact with skin and eyes.

Prevent formation of dust.

Avoid breathing dust.

Use personal protective equipment as required.

Observe protective measures and safety instructions.

**Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

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

Store in a dry, cool, well-ventilated area.

Store in accordance with local/regional/national/international regulations.

**Information about storage in one common storage facility:** Store away from foodstuffs.

**Further information about storage conditions:** Keep container tightly sealed.

**Recommended storage temperature:** Do not store above 50 °C.

**7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

**CAS: 10192-30-0 ammonium hydrogensulphite**

MAK (Germany) vgl. Abschn. IV

**Regulatory information** MAK (Germany): MAK- und BAT-Liste

**DNELs** No data available.

**PNECs** No data available.

**Regulatory information**

**Additional Occupational Exposure Limit Values for possible hazards during processing:**

The national dust limits must be observed in the event of dust generation.

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Do not eat or drink while working.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Prevent formation of dust.

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Avoid breathing dust.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

**Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

**Hand protection**

Protective gloves recommended.

EN 374

**Material of gloves**

Rubber gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection**

Wear safety glasses if dust develops.

EN 166

**Body protection:** Protective work clothing

**Environmental exposure controls** Do not allow to enter sewers/ surface or ground water.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

|   |                           |
|---|---------------------------|
| <b>Physical state</b>   | Solid                     |
| <b>Colour:</b>  | dark red - brown          |
| <b>Odour:</b>   | Light                     |
| <b>Odour threshold:</b>   | No information available. |
| <b>Melting point/freezing point:</b>                            | No information available. |
| <b>Boiling point or initial boiling point and boiling range</b> | No information available. |
| <b>Flammability</b>   | Product is not flammable. |
| <b>Lower and upper explosion limit</b>                          |                           |
| <b>Lower:</b>   | No information available. |
| <b>Upper:</b>   | No information available. |
| <b>Flash point:</b>   | Not applicable.           |
| <b>Decomposition temperature:</b>                               | No information available. |
| <b>pH</b>   | Not applicable.           |
| <b>Viscosity:</b>   |                           |
| <b>Kinematic viscosity</b>                                      | Not applicable.           |
| <b>Dynamic:</b>   | Not applicable.           |
| <b>Solubility</b>   |                           |
| <b>water:</b>   | Partly soluble.           |

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|  |   |
|--|---|
| <b>Partition coefficient n-octanol/water (log value)</b>                             | Not determined.                               |
| <b>Vapour pressure:</b>  | Not applicable.                               |
| <b>Density and/or relative density</b>   |   |
| <b>Density:</b>  | No information available.                     |
| <b>Vapour density</b>  | Not applicable.                               |
| <b>Particle characteristics</b>  | See section 3.                                |
| <b>9.2 Other information</b>   |   |
| <b>Appearance:</b>   |   |
| <b>Form:</b>   | Granulate                                     |
| <b>Important information on protection of health and environment, and on safety.</b> |   |
| <b>Ignition temperature:</b>   | No information available.                     |
| <b>Explosive properties:</b>   | Product does not present an explosion hazard. |
| <b>Change in condition</b>   |   |
| <b>Oxidising properties</b>  | No information available.                     |
| <b>Evaporation rate</b>  | Not applicable.                               |

**Information with regard to physical hazard classes**

|  |      |
|--|------|
| <b>Explosives</b>  | void |
| <b>Flammable gases</b>   | void |
| <b>Aerosols</b>  | void |
| <b>Oxidising gases</b>   | void |
| <b>Gases under pressure</b>  | void |
| <b>Flammable liquids</b>   | void |
| <b>Flammable solids</b>  | void |
| <b>Self-reactive substances and mixtures</b>                                     | void |
| <b>Pyrophoric liquids</b>  | void |
| <b>Pyrophoric solids</b>   | void |
| <b>Self-heating substances and mixtures</b>                                      | void |
| <b>Substances and mixtures, which emit flammable gases in contact with water</b> | void |
| <b>Oxidising liquids</b>   | void |
| <b>Oxidising solids</b>  | void |
| <b>Organic peroxides</b>   | void |
| <b>Corrosive to metals</b>   | void |
| <b>Desensitised explosives</b>   | void |

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** No hazardous reactions known if stored and used as prescribed.

**10.2 Chemical stability**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** Avoid formation of dust.

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**10.5 Incompatible materials:** None known.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: Toxicological information**
**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity** Based on available data, the classification criteria are not met.

**Primary irritant effect:**

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure**

May cause respiratory irritation.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**
**Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**
**12.1 Toxicity**

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**

**Additional ecological information:**

**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Only dispose of product residues via authorised companies according to local legislation.

#### European waste catalogue

Notes: The European Waste Catalogue (EWC) classifies waste materials and categorises them according to what they are and how they were produced. This may cause other classifications. The final decision belongs to the last user.

|          |   |
|----------|---|
| 02 01 09 | agrochemical waste other than those mentioned in 02 01 08 |
| HP4      | Irritant - skin irritation and eye damage                 |
| HP5      | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity |

#### Uncleaned packaging:

##### Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.  
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR/RID/ADN, IMDG, IATA not regulated

### 14.2 UN proper shipping name

ADR/RID/ADN, IMDG, IATA not regulated

### 14.3 Transport hazard class(es)

ADR/RID/ADN, ADN, IMDG, IATA

Class not regulated

### 14.4 Packing group

ADR/RID/ADN, IMDG, IATA not regulated

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user Not applicable.

### 14.7 Maritime transport in bulk according to IMO

instruments Not applicable.

UN "Model Regulation": not regulated

## SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

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**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148**
**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**National regulations:**
**Information about limitation of use:** Employment restrictions concerning juveniles must be observed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

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

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

**Relevant phrases**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

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

Skin corrosion/irritation

Serious eye damage/irritation

Specific target organ toxicity (single exposure)

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

**Department issuing SDS:**

UmEnA GmbH

<http://umena.at>Email: [office@umena.at](mailto:office@umena.at)
**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

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ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3