

## Safety Data Sheet

according to 1907/2006/EC, Article 31, Annex II

Printing date 02.01.2008

Revision: 02.01.2008

### 1 Identification of the substance/preparation and of the company/undertaking

**Product details****Trade name:** Lignohumate B**Application of the substance / the preparation***Agricultural production, chemical industry, cosmetic industry***Manufacturer/Supplier:**

AMAGRO s.r.o.

28. pluku 27/443

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IČ 25725921

**Competent person** *Lubomír Rákos, l.rakos@amagro.com, Tel.: +420602387144***Information in case of emergency:***Toxicological center +420224919293, +420224915402, +420224914575*


### 2 Hazards identification

**Hazard description:** *Not applicable.***Information concerning particular hazards for human and environment:***The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.***Classification system:***The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*

### 3 Composition/information on ingredients

**Chemical characterization****Description:** *Mixture: consisting of the following components.***Dangerous components:**CAS: 1415-93-6 *Humic acids*

2.5-10%

EINECS: 215-809-6  Xi; R 36/37/38**Additional information:** *For the wording of the listed risk phrases refer to section 16.*

### 4 First aid measures

**General information:***Display if health troubles or in the event of doubtful find out leakage help, eventually inform doctor and give to him data from hereof MSDS***After inhalation:** *Supply fresh air; consult doctor in case of complaints.***After skin contact:** *Generally the product does not irritate the skin.***After eye contact:** *Rinse opened eye for several minutes under running water.***After swallowing:** *If symptoms persist consult doctor.*

### 5 Fire-fighting measures

**Suitable extinguishing agents:***Use fire extinguishing methods suitable to surrounding conditions.***Protective equipment:** *No special measures required.*

### 6 Accidental release measures

**Person-related safety precautions:** *Not required.*

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**Measures for environmental protection:** *Dilute with plenty of water.***Measures for cleaning/collecting:***Dilute with plenty water.**Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).***Additional information:***See Section 13 for disposal information.**See Section 8 for information on personal protection equipment.**See Section 7 for information on safe handling.**No dangerous substances are released.***7 Handling and storage****Handling:****Information for safe handling:** *No special measures required.***Information about fire - and explosion protection:** *No special measures required.***Storage:****Requirements to be met by storerooms and receptacles:***Store only in the original receptacle.***Information about storage in one common storage facility:** *Not required.***Further information about storage conditions:** *Store in dry conditions.***Storage class:****Class according to regulation on flammable liquids:** *Void***8 Exposure controls/personal protection****Additional information about design of technical facilities:***No further data; see item 7.***Ingredients with limit values that require monitoring at the workplace:***The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.***Additional information:** *The lists valid during the making were used as basis.***Personal protective equipment:****General protective and hygienic measures:***The usual precautionary measures are to be adhered to when handling chemicals.***Respiratory protection:** *Not necessary if room is well-ventilated.***Protection of hands:** *Protective gloves and protective skin cream***Eye protection:** *Safety glasses***Body protection:** *Protective work clothing***Boots made out of rubber.****Apron made out of PVC.****9 Physical and chemical properties****General Information**

<b>Form:</b>	<i>Fluid</i>
<b>Colour:</b>	<i>Dark brown</i>
<b>Odour:</b>	<i>like vanilla</i>

**Change in condition****Melting point/Melting range:** *Undetermined.***Boiling point/Boiling range:** *Undetermined.***Flash point:** *Not applicable.***Self-igniting:** *Product is not selfigniting.*

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**Danger of explosion:** *Product does not present an explosion hazard.*  
**Density:** *Not determined.*  
**Solubility in / Miscibility with water:** *Soluble.*  
**pH-value at 20°C (68°F):** *8- 10.5*

## 10 Stability and reactivity

**Thermal decomposition / conditions to be avoided:**  
*No decomposition if used according to specifications.*  
**Materials to be avoided:**  
**Dangerous reactions** *No dangerous reactions known.*  
**Dangerous decomposition products:** *No dangerous decomposition products known.*

## 11 Toxicological information

**Acute toxicity:**  
**Primary irritant effect:**  
**on the skin:** *No irritant effect.*  
**on the eye:** *No irritating effect.*  
**Sensitization:** *No sensitizing effects known.*  
**Additional toxicological information:**  
*When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.*

## 12 Ecological information

**Additional ecological information:**  
**General notes:**  
*Negative ecological effects are, according to the current state of knowledge, not expected.*

## 13 Disposal considerations

**Product:**  
**Recommendation**  
*Must not be disposed together with household garbage. Do not allow product to reach sewage system.*  
**Uncleaned packaging:**  
**Recommended cleansing agents:** *Water, if necessary together with cleansing agents.*

## 14 Transport information

**Land transport ADR/RID (cross-border)** *Isn't classified in light of ADR yell dangerous goods*  
**Maritime transport IMDG:**  
**Marine pollutant:** *No*

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**15 Regulatory information****Labelling according to EU guidelines:***Observe the general safety regulations when handling chemicals.**The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).***Special labelling of certain preparations:***Safety data sheet available for professional user on request.***National regulations:****Classification according to VbF:** *Void***Waterhazard class:** *Generally not hazardous for water.***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.***Relevant R-phrases***36/37/38 Irritating to eyes, respiratory system and skin.***Sources***SAX-Dangerous properties industrial materials**Merck & Co-ndex Merck**SIGMA ALDRICH-Data about chemical sadeness**Limits boundarz threshold values from American conference government*

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