

## EEC-Safety data sheet

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### 1.0 Product-/preparation- and producer-information

#### 1.1 Product information

Commercial product name: HADE Trockenleim-Konzentrat 40 S

#### 1.2 Information from producer/commercial agentur

1.2.1 Company: HADE HEINRICH DORNSEIFER KG  
Grüner Weg 45-51 58644 Iserlohn  
Postfache 7165 58609 Iserlohn  
Tel.: 02371/95999-0 Fax: 02371/95999-9

1.2.2 Product information: Verkauf  
Phone: 02371/95999-3 / -4

### 2.0 Composition / information about compounds

#### 2.1 Chemical characterization (substance)

2.1.1 CAS-No.: --  
2.1.2 Product-No.: 120 927  
2.1.3 EINECS-No.: --

Chemical characterization (preparation)

*Modified starch compound and additive*

Dongerous contents: *none*

### 3.0 Possible Danger

### 4.0 First aid

4.1 First information:  
4.2 Aspiration contact: *Sufficent ventilation with fresh air*  
4.3 Skin contact: *Rinse immediately with water*  
4.4 Eyes contact: *In case of contact with eyes, rinse immediately with plenty of water and seek medical advice*  
4.5 Oral ingestion: *Dilute with water*  
4.6 Medical information:

### 5.0 Measures against fire

5.1 Suitable extinguishing media:  
*All about, water gives glue formation*  
5.2 Not to be used from safety data:  
*Sometimes water*

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- 5.3 Special danger from product, hazardous decomposition product:  
*Combusting produce CO<sub>2</sub>/hydrochlorid aerosoles, sometimes CO*
- 5.4 Special protective equipment against fire:  
*Wear suitable respiratory equipment*

### 6.0 Measures by unexpected exposition

- 6.1 Personal protective equipment:  
*After spillage collect mechanically, avoid contact with skin*
- 6.2 Ecological protection:  
*Keep away from river, high solubility, high COD/BOD-value*
- 6.3 Methods after spillage/leakage:  
*Collect in dry state for normally disposal of combustion*
- 6.4 Further information:

### 7.0 Handling and storage

- 7.1 Handling
- 7.1.1 Safety information:  
*Avoid dusting condtions*
- 7.1.2 Protection against fire and explosion:  
*Avoid dust disposition, clean working place. Keep away from sources of ignition – No smoking. Dust explosion possible.*
- 7.2 Storage
- 7.2.1 Technical protective measures:  
*Keep container tightly closed and dry.*
- 7.2.2 Keep away from:
- 7.2.3 Information for safety storage:  
*15-25°C store temperature, max. 65% humidity*
- 7.2.4 Storage-class: *none*

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### 8.0 Protective measures by handling

- 8.1 Information for protective equipment  
*Product should be handled dustfree with suction from vessel.*
- 8.2 Compounds with special limitation-values  
*none*
- 8.3 Personal protective equipment
  - 8.3.1 Industrial hygiene  
*No dangerous substance, however pay attention for universally valid precaution in handling with chemicals.*
  - 8.3.2 Respiration protection: *use filter P2 under dusting conditions*
  - 8.3.3 Hand protection:
  - 8.3.4 Eye protection: *wear eye/face protection*
  - 8.3.5 Body protection:

### 9.0 Physical and chemical data

- 9.1 Kind of product
  - 9.1.1 Form: *fine flakes*
  - 9.1.2 Colour: *white to yellow*
  - 9.1.3 Odour: *special*
- 9.2 Safety dates
  - 9.2.1 Change in physical state: *Value/concentration method (67/548/EWG)  
no melting point*
  - 9.2.2 Flash point: *none*
  - 9.2.3 Ignition quality: *solit, gaseous*
  - 9.2.4 Ignition temperature: *400°C*
  - 9.2.5 Self flammable: *no*
  - 9.2.6 Oxidizing: *no*
  - 9.2.7 Explosive: *dust explosion classification 1*
  - 9.2.8 Explosions limits:
    - 9.2.8.1 LEG *30gm<sup>3</sup>*
    - 9.2.8.2 UEG *--*
  - 9.2.9 Vapour pressure at ( °C) *entfällt*
  - 9.2.10 Bulk density at ( °C)
  - 9.2.11 Solubility in water:
    - at 20°C *completely*
    - at 80°C *completely*
  - 9.2.12 pH-value

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9.2.13	Dispersion coefficient n-octanol/water	--
9.2.14	Viscosity:	
9.2.15	Solvent disposal	
9.2.16	Solvent content	
9.3	Further information	<i>see product specification</i>

### 10.0 Stability and reactivity

10.1	Protect against: <i>smoking</i>	<i>S16: Keep away from sources of ignition – no</i>
10.2	Keep away from product:	<i>water</i>
10.3	Hazardous decomposition products:	<i>unknown</i>
10.4	Further information:	<i>no</i>

### 11.0 Information on toxicity

11.1	Acute toxicity, data from product	
11.1.1	LD/LC50-rate:	<i>unknown</i>
11.1.2	Specific symptoms from animal:	<i>unknown</i>
11.2.3	Primary irritation:	<i>unknown</i>
11.2.4	Sensibilization:	<i>unknown</i>
11.2.5	Further information:	<i>no</i>
11.2	Subacute, chronic toxicity	
11.2.1	Discovery:	<i>none</i>
11.2.2	Results:	<i>none</i>
11.3	Results from man	
11.4	Further information	<i>none</i>

### 12.0 Information on ecological effects

12.1	Information about elimination and degradation	
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- 12.1.1 Methodology: *modified Zahn-Wellens-tests*  
12.1.2 Analytical method: *Decrease form COD/TOC*  
12.1.3 Elimination rate: *not estimate*  
12.1.4 Certification:  
12.1.5 Declaration: *With adapted activated sludge*  
12.1.6 Further information: *No*
- 12.2 Environmental behaviour
- 12.2.1 Product: *Modified starch*  
12.2.2 Mobility and bioaccomodation *No mobility in the ground*  
12.2.3 Further information *Biological degradation*
- 12.3 Oecotoxicity
- 12.3.1 Toxicity in water: *As a result of high BOD demand*  
12.3.2 Remarks: *Powder is soluble in cold water*  
12.3.3 Waste water treatments:  
12.3.4 Remarks: *none*  
12.3.5 Toxicity for activated sludge: *none*  
12.3.6 Special information: *none*
- 12.4 Further information
- 12.4.1 COD-value: 1100 *mg O2/g product*  
12.4.2 BSB5-value:  
12.4.3 AOX-value:  
12.4.4 Heavy metal or compounds from EG-regulation No. 76/464 EWG: *heavy metals agree with food legislation*  
12.4.5 Other information:

### 13.0 Disposal measures

- 13.1 Product
- 13.1.1 Remark: *Normal disposal or comstion*  
13.1.2 Disposal-no.: *19901 starch mud*  
Disposal-name: *see 13.1.2*  
Regulation: *No*
- 13.2 Uncleaned package material
- 13.2.1 Remarks: *PE-lined paper bags for paper recycling possible*

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13.2.2 Cleaning material: No cleaning necessary

### 14.0 Information transport

- 14.1 Land ADR/RID and GGVS/GGVE
- 14.2 River ADN/ADNR
- 14.3 Sea IMDG/GGVSee
- 14.4 aeroplane ICAO-TI and IATA-DGR

*No dangerous product by travel purposes.*

### 15.0 Regulation

- 15.1 Declaration from EEC-Regulation
  - 15.1.1 Symbol and indications of danger sign --
  - 15.1.2 Dangerous substances for declaration --
  - 15.1.3 R
  - 15.1.4 S
  - 15.1.5 Nature of special risks (Annex II 93/21/EEC) *none*
- 15.2 National regulation
  - 15.2.1 Declaration GefStoffV Annex II No. *none*
  - 15.2.2 Restriction for worker *none*
  - 15.2.3 Dangerous by 12. BlmSchV (1988) *Appendix VII, explosive*  
*dust/air mixtures*
  - 15.2.4 Classification by VbF *none*
  - 15.2.5 Technical regulation air *Point 5.2.1 Total Dust*
  - 15.2.6 Water dangerous classification *WGK 1 (self destination)*
  - 15.2.7 Other regulation *none*

All information given in this pamphlet depends on our experiences and reliable laboratory examinations. However, we cannot take a guarantee for the indications as the conditions for storage, treatment and processing of the products are beyond our control. Our technical people are always at your disposal for further information.