

# Material Safety Data Sheet

## MALT EXTRACT DRY

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### 1. Identification

Chemical name	Malt extract powder
CAS number	none
EINECS number	none
Company identification	Wander AG Fabrikstrasse 10 CH-3176 Neuenegg
Phone Nr.	+41 (0)31 377 21 11
Emergency phone Nr.	+41 (0)31 377 23 42

### 2. Information on ingredients

Composition	abt. 90.9 % carbohydrates abt. 2.0 % moisture abt. 4.0 % proteins abt. 1.7 % ashes abt. 0.1 % fat
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### 3. Hazards identification

Most important hazards	potential for formation of explosive air/dust cloud
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#### Symptoms relating to use

- Inhalation	may cause irritation of respiratory ways
- Skin contact	none under normal conditions
- Eye contact	not expected to present a significant eye contact hazard under anticipated conditions of normal use
- Ingestion	none under normal conditions

### 4. First aid measures

- Inhalation	remove to fresh air; get medical attention if symptoms develop
- Eye contact	flush with lukewarm water for 15 minutes; get medical attention if irritation results
- Skin contact	wash with water and soap

### 5. Fire – fighting measures

Extinguishing media	water spray (fog)
Non-suitable extinguishing media	powders: hazards of dust cloud formation

### 6. Accidental release measures

Personal precautions	none under normal conditions
Environmental precautions	biodegradable, increases BOD & COD (see 12)
After spillage / leakage	collect mechanically, vacuum up, if necessary can be hosed down in normal sewage with plenty of hot water;

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### 7. Handling and storage

Storage product is hygroscopic; store in sealed paper/polyethylene bag in a cool and dry area

Handling avoid dust formation or dispersion in the air

### 8. Exposure controls / personal protection

Personal protection

- Respiratory protection dust mask in case of dust occurrence
- Eye protection appropriate goggles may be desirable
- Hand protection not necessary

### 9. Physical and chemical properties

Physical state at 25°C powder

Colour yellow beige

Odour typical malty

Initial boiling point not applicable

Density abt. 300 (kg/m<sup>3</sup>)

Vapour pressure not applicable

Viscosity not applicable

Solubility in water soluble in water (% weight)

pH value in distilled water abt. 5.5 (10%)

Flash point not applicable (°C)

Auto-ignition temperature abt. 380 (°C)

Explosion limits not available

### 10. Stability and reactivity

Hazardous reactions air/dust mixture (explosion hazards)

Materials to avoid avoid strong oxidizers

Hazardous decomposition products: typical decomposition products: carbon monoxide and dioxide, oxygen, water

### 11. Toxicological information

Acute toxicity DL50: not available

Local effects rubbing may cause mechanical skin irritation for hypersensitive individuals

Chronic toxicity no known toxicity

### 12. Ecological information

No significant environmental hazard or adverse effect from human exposure resulting from the accidental release of this material is anticipated. The acute toxicity test is always executed on solubilized product.

- COD abt. 1100 (mgO<sub>2</sub>/g ds)
- BOD abt. 700 (mgO<sub>2</sub>/g ds)

WGK class (Germany) not dangerous when coming in contact with water

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### 13. Disposal considerations

Disposal                      send to landfill or incinerate;  
   federal, state, or local regulation should be observed

### 14. Transportation information

Not applicable

### 15. Regulatory information

Symbol (s)	none
R Phrase (s)	none
S Phrase (s)	none

### 16. Other informations

Recommended uses              Food applications

The content and format of this MSDS are in accordance with Regulation (EC) No 1907/2006.

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