

Printing date 02/17/2005

Reviewed on 02/17/2005

### 1 Identification of substance:

· **Product details:**

· **Trade name:** TETRA POND BARLEY & PEAT EXTRACT

· **Article number:** 821.347/3

· **Manufacturer/Supplier:**

Tetra  
3001 Commerce Street  
Blacksburg, VA 24060-6671  
USA

· **Additional information:**

Tetra (USA)  
Tel.: (540)951-5508

· **Emergency information:**

Emergency Number Berlin  
+49 (0)30 19240

### 2 Composition/Data on components:

· **Chemical characterization**

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

· **Dangerous components:**

50-00-0 formaldehyde	 T; R 23/24/25-34-40-43	≤ 2.5%
----------------------	--	--------

· **Additional information** For the wording of the listed risk phrases refer to section 16.

### 3 Hazards identification

· **Hazard description:**



Xi Irritant

· **Information pertaining to particular dangers for man and environment**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 43 May cause sensitization by skin contact.

· **Classification system**

The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.

· **NFPA ratings (scale 0-4)**



Health = 0

Fire = 0

Reactivity = 0

### 4 First aid measures

· **After inhalation**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact** Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 2)

Printing date 02/17/2005

Reviewed on 02/17/2005

**Trade name: TETRA POND BARLEY & PEAT EXTRACT**

(Contd. of page 1)

- *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**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

50-00-0 formaldehyde (≤2.5%)

PEL	Short-term value: 2 ppm Long-term value: 0.75 ppm see 29 CFR 1910.1048
REL	Short-term value: C 0.1 * ppm Long-term value: 0.016 ppm *15-min
TLV	Short-term value: C 0.37 mg/m <sup>3</sup> , C 0.3 ppm
SEN	

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Personal protective equipment**
- **General protective and hygienic measures**  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.

(Contd. on page 3)

Printing date 02/17/2005

Reviewed on 02/17/2005

**Trade name: TETRA POND BARLEY & PEAT EXTRACT**

(Contd. of page 2)

· **Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

· **Material of 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **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 protection:** Goggles recommended during refilling.

**9 Physical and chemical properties:**

· **General Information**

<b>Form:</b>	Fluid
<b>Color:</b>	Brown
<b>Odor:</b>	Characteristic

· **Change in condition**

**Melting point/Melting range:** undetermined  
**Boiling point/Boiling range:** undetermined

· **Flash point:** Not applicable

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C (68°F):** 1.01 g/cm<sup>3</sup>

· **Solubility in / Miscibility with**

**Water:** Fully miscible

· **pH-value at 20°C (68°F):** 7.3

· **Solvent content:**

**Organic solvents:** 0.5 %

· **Solids content:** 15.0 %

**10 Stability and reactivity**

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

No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known

· **Dangerous products of decomposition:** No dangerous decomposition products known

USA

(Contd. on page 4)

Printing date 02/17/2005

Reviewed on 02/17/2005

**Trade name: TETRA POND BARLEY & PEAT EXTRACT**

(Contd. of page 3)

**11 Toxicological information**

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant

**12 Ecological information:**

- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**13 Disposal considerations**

- **Product:**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

**14 Transport information**

· <b>DOT regulations:</b>
· <b>Hazard class:</b> -
· <b>Land transport ADR/RID (cross-border)</b>
· <b>ADR/RID class:</b> -
· <b>Maritime transport IMDG:</b>
· <b>IMDG Class:</b> -
· <b>Marine pollutant:</b> No
· <b>Air transport ICAO-TI and IATA-DGR:</b>
· <b>ICAO/IATA Class:</b> -

**15 Regulations**

- **Carcinogenicity categories**
- **EPA (Environmental Protection Agency)**  
None of the ingredients is listed.
- **IARC (International Agency for Research on Cancer)**  
50-00-0 formaldehyde 2A

(Contd. on page 5)

Printing date 02/17/2005

Reviewed on 02/17/2005

**Trade name: TETRA POND BARLEY & PEAT EXTRACT**

(Contd. of page 4)

· <b>NTP (National Toxicology Program)</b>
50-00-0 formaldehyde R
· <b>TLV (Threshold Limit Value established by ACGIH)</b>
None of the ingredients is listed.
· <b>MAK (German Maximum Workplace Concentration)</b>
None of the ingredients is listed.
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>
None of the ingredients is listed.
· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>
None of the ingredients is listed.

· **Markings according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

· **Code letter and hazard designation of product:**

*Xi Irritant*

· **Hazard-determining components of labelling:**

*formaldehyde*

· **Risk phrases:**

*43 May cause sensitization by skin contact.*

· **Safety phrases:**

*2 Keep out of the reach of children.*

*24 Avoid contact with skin.*

*46 If swallowed, seek medical advice immediately and show this container or label.*

*56 Dispose of this material and its container at hazardous or special waste collection point*

· **National regulations**

· **Technical instructions (air):**

Class	Share in %
I	0.5

· **Water hazard class:** Water hazard class I (Self-assessment): slightly 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.*

· **Department issuing MSDS:**

*Tetra GmbH*

*Herrenteich 78*

*49324 Melle*

*Germany*

*Legal Department*

· **Contact:** *Herr J. Böhm*