

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

- **Product details**
- **Trade name:** *BENAMIN Flock flüssig*
- **Application of the substance / the preparation** *Flocculant/ Flocculating agent*
- **Manufacturer/Supplier:**  
*BWT AG  
 Walter Simmer Straße 4  
 A - 5310 Mondsee  
 AUSTRIA  
 Tel.: +43/6232/5011-0  
 Fax: +43/6232/4058  
 email: office@bwt.at*
- **Further information obtainable from:**  
*Abteilung F&E - Chemiebeauftragter  
 Tel.: +43/6232/5011-1423  
 email: msds-info@bwt-group.com*
- **Information in case of emergency:**  
*Vergiftungsinformation Wien  
 Tel.: +43/1-406 43 43*

## 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 of substances listed below with nonhazardous additions.*
- **Dangerous components:** *Void*
- **Additional information:** *For the wording of the listed risk phrases refer to section 16.*

## 4 First aid measures

- **General information:** *No special measures required.*
- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
- **After skin contact:**  
*Generally the product does not irritate the skin.  
 Immediately rinse with water.*
- **After eye contact:**  
*Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.*
- **After swallowing:**  
*Rinse out mouth and then drink plenty of water.  
 If symptoms persist consult doctor.*

## 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
*CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*

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- **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).
- **Additional information:** No dangerous substances are released.

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** The product is not flammable.
- **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.
- **Storage class:** 12

## 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:** Do not eat, drink, smoke or sniff while working.
- **Respiratory protection:** Not required.
- **Protection of hands:** Not required.
- **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>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Odourless

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| · <b>Change in condition</b><br><i>Melting point/Melting range: Undetermined.</i><br><i>Boiling point/Boiling range: Undetermined.</i> |  |
| · <b>Flash point:</b>  | <i>Not applicable.</i>                               |
| · <b>Self-igniting:</b>  | <i>Product is not selfigniting.</i>                  |
| · <b>Danger of explosion:</b>  | <i>Product does not present an explosion hazard.</i> |
| · <b>Density at 20°C:</b>  | <i>1.07 g/cm<sup>3</sup></i>                         |
| · <b>Solubility in / Miscibility with water:</b>   | <i>Fully miscible.</i>                               |
| · <b>pH-value at 20°C:</b>   | <i>4.2</i>   |

## 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:**  
*The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.*  
*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:**  
*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 together with household garbage. Do not allow product to reach sewage system.*

<b>European waste catalogue</b>	
19 09 99	wastes not otherwise specified

- **Uncleaned packaging:**
- **Recommendation:** *Disposal must be made according to official regulations.*

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· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

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**14 Transport information**

- **Maritime transport IMDG:**
- **Marine pollutant:** No

**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).

**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.*

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