

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

- **Product identifier**
- **Trade name:** **Bewasorb K 111**
- **CAS Number:**  
7440-44-0
- **EC number:**  
231-153-3
- **Relevant identified uses of the substance or mixture and uses advised against -**
- **Application of the substance / the preparation** Filter aid/ Filtration accelerator
- **Details of the supplier of the safety data sheet**
- **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  
Tel 2: +43/6232/5011-1427  
email: msds-info@bwt-group.com
- **Emergency telephone number:**  
Vergiftungsinformation Wien  
Tel.: +43/1-406 43 43

## 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified according to the CLP regulation.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization:** Substances
- **CAS No. Description**  
7440-44-0 carbon
- **Identification number(s)**
- **EC number:** 231-153-3

## 4 First aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

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- **After skin contact:**  
 Immediately rinse with water.  
 Generally the product does not irritate the skin.
- **After eye contact:**  
 Rinse opened eye for several minutes under running water.  
 Seek medical treatment.
- **After swallowing:**  
 Rinse out mouth and then drink plenty of water.  
 Seek medical treatment.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
 No further relevant information available.

## 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
 Water  
 Foam  
 Fire-extinguishing powder
- **Special hazards arising from the substance or mixture**  
 In case of fire, the following can be released:  
 Carbon monoxide (CO)  
 carbon dioxide (CO<sub>2</sub>)
- **Advice for firefighters**
- **Protective equipment:**  
 Wear self-contained respiratory protective device.  
 Wear fully protective suit.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
 Avoid formation of dust.  
 Ensure adequate ventilation
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**  
 Pick up mechanically.  
 Dispose of the material collected according to regulations.
- **Reference to other sections**  
 See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
 Ensure good ventilation/exhaustion at the workplace.  
 Open and handle receptacle with care.  
 Prevent formation of dust.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

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- **Information about storage in one common storage facility:**  
 Store away from oxidizing agents.  
 Do not store together with acids.  
 Store away from flammable substances.
- **Further information about storage conditions:**  
 Keep container tightly sealed.  
 Store in dry conditions.
- **Storage class: 11**
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

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

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

**7440-44-0 carbon**

WEL	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable
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- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes and skin.
- **Respiratory protection:**  
 Dustfilter when dust develops.  
 Use suitable respiratory protective device when high concentrations are present.  
 Short term filter device:  
 Filter A/P2
- **Protection of hands:**



Protective gloves

- **Material of gloves** Leather gloves
- **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:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**  

<b>Form:</b>	Granulate
<b>Colour:</b>	Black

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· <b>Odour:</b>	Odourless
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not applicable.
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	ca.3550 °C
<b>Boiling point/Boiling range:</b>	Undetermined.
· <b>Flash point:</b>	> 350 °C
· <b>Flammability (solid, gaseous):</b>	Flammable.
· <b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined.
· <b>Self-igniting:</b>	Not determined.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapour pressure:</b>	Not applicable.
· <b>Density:</b>	Not determined.
· <b>Bulk density at 20 °C:</b>	350 - 750 kg/m <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Insoluble.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>VOC (EC)</b>	0.00 %
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions**
  - Reacts with flammable substances.
  - Reacts with oxidizing agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
  - Carbon monoxide
  - Carbon dioxide

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### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.

- **European waste catalogue**

06 13 02*	spent activated carbon (except 06 07 02)
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |                                       |                 |
|---------------------------------------|-----------------|
| · <b>UN-Number</b>                    | Void            |
| · <b>ADR, ADN, IMDG, IATA</b>         | Void            |
| · <b>UN proper shipping name</b>      | Void            |
| · <b>ADR, ADN, IMDG, IATA</b>         | Void            |
| · <b>Transport hazard class(es)</b>   |                 |
| · <b>ADR</b>                          |                 |
| · <b>Class</b>                        | Void            |
| · <b>Label</b>                        | -               |
| · <b>ADN/R Class:</b>                 | Void            |
| · <b>Packing group</b>                |                 |
| · <b>ADR, IMDG, IATA</b>              | Void            |
| · <b>Environmental hazards:</b>       |                 |
| · <b>Marine pollutant:</b>            | No              |
| · <b>Special precautions for user</b> | Not applicable. |

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|--|--|
| · <b>Danger code (Kemler):</b>   | -  |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                                      |
| · <b>Transport/Additional information:</b>                                       | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>  | -  |

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Chemical Substance Control Law**

- **Existing Chemical Substances**

Substance is not listed.

- **Specified Chemical Substances**

Substance is not listed.

- **Monitoring /Type II Monitoring (before amendment) /Type III Monitoring (before amendment) Chemical Substances**

Substance is not listed.

- **Priority Assessment Chemical Substances**

Substance is not listed.

- **Chemical Substances Relating to a Public Notice Pursuant to The Provisions of Paragraph 4 of Article 4 of the Former Act**

Substance is not listed.

- **Biodegradation and Bioconcentration of Existing Chemical Substances**

Substance is not listed.

- **Toxicity Tests Results**

Substance is not listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.*

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

- **\* Data compared to the previous version altered.**