

**Sicherheitsdatenblatt**  
gemäß 1907/2006/EG, Artikel 31

Printing date 24.05.2024

Version number 2 (replaces version 1)

Revision: 24.05.2024

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
- **Trade name:** **Bewasorb CC 112**
- **CAS Number:**  
7440-44-0
- **UFI:** CAS0-M0AR-400U-1YXD
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Adsorbent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
BWT Holding GmbH  
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 - Chemikalienbeauftragte(r)  
Tel.: +43/6232/5011-1893  
+43/6232/5011-1427  
email: msds-info@bwt-group.com
- **1.4 Emergency telephone number:**  
Poison center Vienna  
Tel.: +43/1-406 43 43

**SECTION 2: Hazards identification**

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

**SECTION 3: Composition/information on ingredients**

- **3.1 Substance**
- **CAS No. Description**  
CAS: 7440-44-0 carbon
- **Identification number(s) REACH:** 01-2119488894-16-0013
- **EC number:** 231-153-3

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **General information:**  
Never give anything by mouth to an unconscious person.  
In case of doubt or if symptoms persist, consult a doctor.

(Contd. on page 2)

DE/EN

**Sicherheitsdatenblatt**  
gemäß 1907/2006/EG, Artikel 31

Printing date 24.05.2024

Version number 2 (replaces version 1)

Revision: 24.05.2024

**Trade name: Bewasorb CC 112**

(Contd. of page 1)

- **After inhalation:**  
If breathing is irregular or stops, give artificial respiration and call a doctor.  
Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Wash off with soap and water.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water.  
Consult an ophthalmologist in case of discomfort, redness or impaired vision.
- **After swallowing:**  
Do not induce vomiting; call for medical help immediately.  
If small amounts are ingested (not more than one sip), rinse mouth with water and consult a doctor.  
If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed**  
If large amounts are taken orally, constipation may occur.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
The effectiveness of medicines can be reduced by the adsorption effect of activated carbon.

\*

### **SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
Water spray  
Carbon dioxide  
Foam  
Fire-extinguishing powder
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
Smoke may be produced during a fire. Products of combustion may contain carbon monoxide and carbon dioxide. Do not inhale smoke.  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide (CO)  
After a fire, embers may remain for some time.  
Glowing activated carbon stored in a closed room for a longer period of time can lead to the accumulation of carbon monoxide to above the lower explosion limit.  
lower explosion limit.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Due to the toxicity of the gases produced during thermal decomposition, self-contained breathing apparatus (isolation equipment) must be used.

\*

### **SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Keep away from ignition sources.
- **6.2 Environmental precautions:**  
Prevent seepage into sewage system, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **6.4 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.

DE/EN

(Contd. on page 3)

# Sicherheitsdatenblatt gemäß 1907/2006/EG, Artikel 31

Printing date 24.05.2024

Version number 2 (replaces version 1)

Revision: 24.05.2024

Trade name: **Bewasorb CC 112**

(Contd. of page 2)

## SECTION 7: Handling and storage

### · 7.1 Precautions for safe handling

Always wash hands after handling the product.

Provide suction extractors if dust is formed.

Prevent formation of dust.

· **Information about fire - and explosion protection:** Keep away from heat sources.

### · 7.2 Conditions for safe storage, including any incompatibilities

#### · Storage:

#### · Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Store in a well-ventilated place.

Store in a cool location.

#### · Information about storage in one common storage facility:

Store away from oxidising agents.

Store away from foodstuffs.

· **Further information about storage conditions:** None.· **Storage class:** 11· **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### · 8.1 Control parameters

#### · Ingredients with limit values that require monitoring at the workplace:

**CAS: 7440-44-0 carbon**

AGW (Germany)	Long-term value: 1,25* 10** mg/m <sup>3</sup> 2(II); *alveolengängig**einatembare; AGS, DFG, Y
---------------	---

#### · DNELs

**CAS: 7440-44-0 carbon**

Inhalative	DNEL inhalativ	0,9 mg/m <sup>3</sup> (general population) 1,84 mg/m <sup>3</sup> (worker)
------------	----------------	---

· **Additional information:** The lists valid during the making were used as basis.

### · 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.· **Individual protection measures, such as personal protective equipment**

#### · General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.

Ensure adequate ventilation, especially in closed rooms.

The usual precautionary measures are to be adhered to when handling chemicals.

#### · Respiratory protection:

Suitable respiratory protective device recommended.

Use respiratory protection in case of dust formation.

Filter FFP2

#### · Hand protection



Protective gloves

Wear suitable protective gloves in case of prolonged or repeated skin contact.

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

(Contd. on page 4)

DE/EN

# Sicherheitsdatenblatt

## gemäß 1907/2006/EG, Artikel 31

Printing date 24.05.2024

Version number 2 (replaces version 1)

Revision: 24.05.2024

Trade name: **Bewasorb CC 112**

(Contd. of page 3)

- **Material of gloves**

Natural rubber, NR

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.

- **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/face protection**



Tightly sealed goggles

A protective mask complying with standard EN 166 must be worn whenever working with powder or dust.

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Solid

- **Colour:**

Black

- **Odour:**

Characteristic

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Undetermined.

- **Boiling point or initial boiling point and boiling range**

Undetermined.

- **Flammability**

Product is not flammable.

- **Lower and upper explosion limit**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Flash point:**

Not applicable.

- **Decomposition temperature:**

Not determined.

- **pH**

Not applicable.

- **Viscosity:**

- **Kinematic viscosity**

Not applicable.

- **Dynamic:**

Not applicable.

- **Solubility**

- **water:**

Insoluble.

Not miscible or difficult to mix.

- **Partition coefficient n-octanol/water (log value)**

Not determined.

- **Vapour pressure:**

Not applicable.

- **Density and/or relative density**

- **Density:**

Not determined.

- **Relative density at 20 °C**

200-700 kg/m<sup>3</sup>

- **Vapour density**

Not applicable.

- **Particle characteristics**

See section 3.

- **9.2 Other information**

- **Appearance:**

- **Form:**

Granulate

- **Important information on protection of health and environment, and on safety.**

- **Ignition temperature:**

Not determined.

- **Explosive properties:**

Product does not present an explosion hazard.

- **Solids content:**

100,0 %

- **Molecular weight**

12,01 g/mol

(Contd. on page 5)

DE/EN

**Sicherheitsdatenblatt**  
gemäß 1907/2006/EG, Artikel 31

Printing date 24.05.2024

Version number 2 (replaces version 1)

Revision: 24.05.2024

Trade name: **Bewasorb CC 112**

(Contd. of page 4)

- |  |                 |
|--|-----------------|
| · <b>Change in condition</b>   |                 |
| · <b>Evaporation rate</b>  | Not applicable. |
| · <b>Information with regard to physical hazard classes</b>                        |                 |
| · <b>Explosives</b>  | Void            |
| · <b>Flammable gases</b>   | Void            |
| · <b>Aerosols</b>  | Void            |
| · <b>Oxidising gases</b>   | Void            |
| · <b>Gases under pressure</b>  | Void            |
| · <b>Flammable liquids</b>   | Void            |
| · <b>Flammable solids</b>  | Void            |
| · <b>Self-reactive substances and mixtures</b>                                     | Void            |
| · <b>Pyrophoric liquids</b>  | Void            |
| · <b>Pyrophoric solids</b>   | Void            |
| · <b>Self-heating substances and mixtures</b>                                      | Void            |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void            |
| · <b>Oxidising liquids</b>   | Void            |
| · <b>Oxidising solids</b>  | Void            |
| · <b>Organic peroxides</b>   | Void            |
| · <b>Corrosive to metals</b>   | Void            |
| · <b>Desensitised explosives</b>   | Void            |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** The product shows no reactivity under normal conditions of storage, transport and use.
- **10.2 Chemical stability**  
This substance is stable if the handling and storage instructions recommended in section 7 are followed.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Possible dangerous reactions can occur with oxidizing agents.
- **10.4 Conditions to avoid**  
Dust formation  
Humidity  
Heat
- **10.5 Incompatible materials:**  
Solvents  
strong acids  
strong oxidising agents  
combustible substances
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### · LD/LC50 values relevant for classification:

CAS: 7440-44-0 carbon

Oral	LD50	>2.000 mg/kg (rat)
Inhalative	LC50/4 h	>64,4 mg/l (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.

(Contd. on page 6)

DE/EN

**Sicherheitsdatenblatt**  
gemäß 1907/2006/EG, Artikel 31

Printing date 24.05.2024

Version number 2 (replaces version 1)

Revision: 24.05.2024

Trade name: **Bewasorb CC 112**

(Contd. of page 5)

- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**  
Dust produced by mechanical processing may cause irritation when inhaled or in contact with the eyes.
- **11.2 Information on other hazards**

· <b>Endocrine disrupting properties</b>
--

Substance is not listed.
--------------------------

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** Since activated carbon is insoluble in water, no toxicity is expected.
- **12.2 Persistence and degradability**  
Activated carbon - HDS (HIGH SKELET DENSITY) cannot be converted into a soluble form that can be absorbed.  
Therefore, activated carbon cannot find a way into cells where biodegradation is conceivable.
- **12.3 Bioaccumulative potential**  
The substance has a very low potential for bioaccumulation in aquatic species (e.g. fish), e.g. BCF < 10.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:** Not hazardous for water.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
  - **Recommendation** Dispose of in compliance with official regulations.
- |  |
|--|
| · <b>European waste catalogue</b>                  |
| 06 13 02* spent activated carbon (except 06 07 02) |
- **Uncleaned packaging:**
  - **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

- |  |      |
|--|------|
| · <b>14.1 UN number or ID number</b>     |      |
| · <b>ADR, IMDG, IATA</b>                 | Void |
| · <b>14.2 UN proper shipping name</b>    |      |
| · <b>ADR, IMDG, IATA</b>                 | Void |
| · <b>14.3 Transport hazard class(es)</b> |      |
| · <b>ADR, ADN, IMDG, IATA</b>            |      |
| · <b>Class</b>                           | Void |
| · <b>14.4 Packing group</b>              |      |
| · <b>ADR, IMDG, IATA</b>                 | Void |

(Contd. on page 7)

DE/EN



**Sicherheitsdatenblatt**  
gemäß 1907/2006/EG, Artikel 31

Printing date 24.05.2024

Version number 2 (replaces version 1)

Revision: 24.05.2024

Trade name: **Bewasorb CC 112**

(Contd. of page 6)

- |   |                                    |
|---|------------------------------------|
| · <b>14.5 Environmental hazards:</b>                                  | Not applicable.                    |
| · <b>14.6 Special precautions for user</b>                            | Not applicable.                    |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b> | Not applicable.                    |
| · <b>Transport/Additional information:</b>                            |                                    |
| · <b>ADR</b>  |                                    |
| · <b>Remarks:</b>   | SV 646 Wasserdampfaktivierte Kohle |
| · <b>UN "Model Regulation":</b>                                       | Void                               |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
- Substance is not listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
- Substance is not listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
- Substance is not listed.
- **Regulation (EC) No 273/2004 on drug precursors**
- Substance is not listed.
- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
- Substance is not listed.
- **National regulations:**
- **Waterhazard class:** Generally not hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 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.

- **Date of previous version:** 20.01.2023
- **Version number of previous version:** 1
- **Abbreviations and acronyms:**
  - ADR: Accord relatif au transport international 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 Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances

(Contd. on page 8)

DE/EN

**Sicherheitsdatenblatt**  
**gemäß 1907/2006/EG, Artikel 31**

Printing date 24.05.2024

Version number 2 (replaces version 1)

Revision: 24.05.2024

**Trade name:** **Bewasorb CC 112**

(Contd. of page 7)

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

*DNEL: Derived No-Effect Level (REACH)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

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

DE/EN