

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



**59770      Arbocel® BWW 40**

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## 1. Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1. Product Identifier

*Product Name:* Arbocel® BWW 40

*Article No.:* 59770

*UFI:*

### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

*Identified uses:*

*For professional users.*

*Uses advised against:*

### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

*Company:* Kremer Pigmente GmbH & Co. KG

*Address:* Hauptstr. 41-47, 88317 Aichstetten, Germany

*Tel./Fax.:* Tel +49 7565 914480, Fax +49 7565 1606

*Internet:* [www.kremer-pigmente.com](http://www.kremer-pigmente.com)

*E-Mail:* [info@kremer-pigmente.com](mailto:info@kremer-pigmente.com)

*Importer:* --

### 1.4. Emergency No.

*Emergency No.:* +49 7565 914480 (Mon-Fri 8:00 - 17:00)

#### 1.4.2 Poison Center:

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## 2. Hazards Identification

### 2.1. Classification of the Substance or Mixture

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*This product does not require classification and labelling as hazardous according to CLP/GHS.*

*Possible Environmental Effects:*

### 2.2. Label Elements

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*This product does not require classification and labelling as hazardous according to CLP/GHS.*

*Hazard designation:*

*Not applicable.*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

### 2.3. Other Hazards

*Risk of dust explosion.*

*This material is combustible, but not easily inflammable.*

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*Mechanical effects (e.g. adhesions) can damage the product.*

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## 3. Composition/Information on Ingredients

### 3.1. Substance

*This product is a substance: see details under 3.2.*

### 3.2. Mixture

*Chemical Characterization:*

*Information on Components / Hazardous Ingredients:*

|           |       |   |
|-----------|-------|---|
| Cellulose | 100 % | CAS-Nr: 9004-34-6<br>EINECS-Nr: 232-674-9<br>EC-Nr: |
|-----------|-------|---|

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*Additional information:*

*Exempted from the mandatory REACH Registration.*

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## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

*General information:*

*Seek medical attention in case of complaints.*

*After inhalation:*

*Supply fresh air.*

*After skin contact:*

*No special measures required.*

*After eye contact:*

*Rinse eyes with water.  
Seek medical attention if irritation persists.*

*After ingestion:*

*No special measures required.*

### 4.2. Most important Symptoms and Effects, both Acute and Delayed

*Symptoms:*

*None known.*

*Effects:*

*No further information available.*

### 4.3. Indication of any Immediate Medical Attention and special Treatment needed

*Treatment:*

*Treat symptomatically.*

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## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Foam, carbon dioxide (CO<sub>2</sub>), extinguishing powder, water spray.*

*Unsuitable extinguishing media:*

*Water with full jet.*

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## 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*In case of fire: formation of carbon monoxide and dioxide.*

## 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

*Fire class: A (ordinary combustibles).*

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Avoid formation of dust.*

*Respiratory protection in case of formation of vapors/dust/aerosol.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*No special measures required.*

### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Clean up mechanically. Avoid dust formation.*

*Avoid dust formation.*

*Do not dry sweep where dust or static charging can occur.*

### 6.4. Reference to other Sections

*Protective clothing, see Section 8.*

*See Section 13 for information on disposal.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Treat like any combustible material which contains dusty parts with special precautionary measures.*

*Avoid formation and deposition of dust. Provide adequate ventilation.*

*Hygienic measures:*

*Wear protective gloves, clothing, eye, face protection.*

### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Store in closed container and keep product dry.*

*Protect against humidity and water.*

*Requirements for storage areas and containers:*

*No special measures necessary.*

*Information on fire and explosion protection:*

*Combustible material.*

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*Risk of dust explosion.*  
*Before opening the bag the fire extinguisher should be kept handy.*  
*Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.*  
*Use explosion-proof electrical/ventilating/lighting equipment.*  
*Dust explosion class 1 (Kst-value > 0 - 200 bar m/s).*

*Storage class:*

11; Combustible solids (TRGS 510)

*Further Information:*

*Shelf-life: at least 5 years*  
*Maximum storage time: not relevant*  
*Maximum storage temperature: 50°C (122°F)*

## 7.3. Specific End Use(s)

*Further information:*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

TRGS 900  
TLV: 10 mg/m<sup>3</sup> inhalable fraction (general dust limit)  
TLV: 1.25 mg/m<sup>3</sup> air-borne fraction (general dust limit)  
Peak limit Category: 2 (II)

*Parameters to be controlled:*

Cellulose (CAS 9004-34-6): AGW (BE) 10 mg/m<sup>3</sup>  
Cellulose (CAS 9004-34-6): AGW (CH): 3 mg/m<sup>3</sup> (airborne aerosol)

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation/exhaust system.*

*Personal Protection*

*General protective measures:*

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.*

*Respiratory protection:*

*If exposure limit is exceeded: dust mask with particle filter P2 (for solid and liquid particles DIN 3181).*

*Hand protection:*

*Not required*

*Protective glove material:*

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*Eye protection:*

*Safety glasses (EN 166)*

*Body protection:*

*Environmental precautions:*

*No special measures required.*

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## 9. Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

|  |   |
|--|---|
| <i>Form:</i>                                       | <i>fibres</i>                                 |
| <i>Color:</i>                                      | <i>white</i>                                  |
| <i>Odor:</i>                                       | <i>odorless</i>                               |
| <i>Odor threshold:</i>                             | <i>no information available</i>               |
| <i>pH-Value:</i>                                   | <i>5 - 7.5 (100 g/l H<sub>2</sub>O, 20°C)</i> |
| <i>Melting temperature:</i>                        | <i>not applicable</i>                         |
| <i>Boiling temperature:</i>                        | <i>not applicable</i>                         |
| <i>Flash point:</i>                                | <i>not available</i>                          |
| <i>Evaporation rate:</i>                           | <i>not applicable</i>                         |
| <i>Flammability (solid, gas):</i>                  | <i>not applicable</i>                         |
| <i>Upper explosion limit:</i>                      | <i>11000 g/m<sup>3</sup></i>                  |
| <i>Lower explosion limit:</i>                      | <i>30 g/m<sup>3</sup></i>                     |
| <i>Vapor pressure:</i>                             | <i>not applicable</i>                         |
| <i>Vapor density:</i>                              |   |
| <i>Density:</i>                                    | <i>ca. 1.5 g/cm<sup>3</sup></i>               |
| <i>Solubility in water:</i>                        | <i>insoluble (20°C)</i>                       |
| <i>Coefficient of variation (n-Octanol/Water):</i> | <i>not applicable</i>                         |
| <i>Auto-ignition temperature:</i>                  | <i>No information available.</i>              |
| <i>Decomposition temperature:</i>                  | <i>ca. 200°C</i>                              |
| <i>Viscosity, dynamic:</i>                         | <i>not applicable</i>                         |
| <i>Explosive properties:</i>                       |   |

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*Risk of dust explosion.*

*Oxidizing properties:*

*no information available*

*Bulk density:*

*120 - 220 kg/m<sup>3</sup>*

## 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*Minimum ignition energy: > 30 mJ*

*Minimum ignition temperature of a dust cloud: 400°C*

*Flammability and general dust fire behavior of deposited dust:  
burning class 5*

*Minimum ignition temperature of a 5 mm dust layer (glow  
temperature): > 330°C*

*Maximum explosion pressure: < 9.5 bar*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*No information available.*

### 10.2. Chemical Stability

*None known.*

### 10.3. Possibility of Hazardous Reactions

*No information available.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Protect from heat.*

*Thermal decomposition:*

*> 200°C*

### 10.5. Incompatible Materials

*No information available.*

### 10.6. Hazardous Decomposition Products

*Carbon monoxide and dioxide.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*No information available.*

*Acute Toxicity*

*LD50, oral:*

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*LD50, dermal:*

*LC50, inhalation:*

*Primary effects*

*Irritant effect on skin:*

*Non irritating*

*Irritant effect on eyes:*

*Non-irritating to eyes*

*Inhalation:*

*Non irritating.*

*Ingestion:*

*No information available*

*Sensitization:*

*Non sensitizing.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No negative effects.*

*Carcinogenicity:*

*No negative effects.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Additional toxicological information:*

*Product is non-toxic.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*No toxicity expected.*

*Fish toxicity:*

*Daphnia toxicity:*

*Bacteria toxicity:*

*Algae toxicity:*

### 12.2. Persistency and Degradability

*No information available.*

### 12.3. Bioaccumulation

*No bioaccumulation expected.*

### 12.4. Mobility

*Adsorption to solid soil phase is not expected.*

### 12.5. Results of PBT- und vPvP Assessment

*This product is neither a PBT or vPvB substance nor does it*

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*contain a PBT or vPvB substance.*

## 12. 6.      Other Adverse Effects

*Water hazard class:*

*Not hazardous.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*Natural product. Environmentally not hazardous.*

*AOX Value:*

---

## 13.      Disposal Considerations

### 13. 1.      Waste Treatment Methods

*Product:*

*Recover or recycle if possible.*

*European Waste Code (EWC):*

*030399 - Wastes not otherwise specified*

*Uncleaned packaging:*

*Non contaminated packaging can either be recycled or utilized for energy (incineration).*

*Waste Code No.:*

*150106 - Mixed packaging.*

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## 14.      Transport Information

### 14. 1.      UN Number

*ADR, IMDG, IATA*

### 14. 2.      UN Proper Shipping Name

*ADR/RID:*

*No hazardous goods according to ADR / DOT (US) (land transportation).*

*IMDG/IATA:*

*Not hazardous goods*

### 14. 3.      Transport Hazard Classes

*ADR Class:*

*not applicable*

*Hazard no.:*

*Classification code:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*Hazard no.:*

*EmS No.:*

*IATA Class:*

*not applicable*

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*Hazard no.:*

**14. 4.      Packaging Group**

*ADR/RID:*

*not applicable*

*IMDG:*

*IATA:*

**14. 5.      Environmental Hazards**

*Not classified as environmentally hazardous.*

**14. 6.      Special Precautions for User**

*Not classified as a dangerous good under transport regulations.*

**14. 7.      Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code**

*not applicable*

**14. 8.      Further Information**

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**15.      Regulatory Information**

**15. 1.      Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture**

*Water hazard class:*

*0, not hazardous (German Regulation)*

*Local regulations on chemical accidents:*

*Not listed.*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

*5.2.1. Total dust, including fine dust.*

**15. 2.      Chemical Safety Assessment**

*A Chemical Safety Assessment has not been carried out for this product.*

**15. 3.      Further Information**

*Regulation (EC) 2037/2000 - Substances that Deplete the Ozone Layer: not regulated / not applicable*

*Regulation (EC) 648/2004 on detergents:*

*none*

*VOC Content (w/w): 0 %*

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**16.      Other Information**

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*