

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



Article No.: 160509  
Print date: 20.05.2021  
Version: 1.11

Wolfin IB, all colours  
Revision date: 18.05.2021  
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Article No. (manufacturer/supplier) 160509  
Trade name/designation Wolfin IB, all colours  
Art.No. 160509 / 160512 / 160511 / 160527

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Relevant identified uses**

PVC membrane

**Uses advised against**

Do not use for products which come into contact with food stuffs.

**1.3. Details of the supplier of the safety data sheet**

**manufacturer**

BMI Flachdach GmbH  
Geisfelder Straße 85-91  
96050 Bamberg - Germany

Telephone: +49 (0)6053 708 5141  
Telefax: +49 (0)6053 708-5130  
E-mail: service.wolfin.de@bmigroup.com

**Department responsible for information:**

Dr. Thomas Leinhos +49 (0)171 585 58 01

**1.4. Emergency telephone number**

Emergency telephone number +49 (0)6131 19240 (Poison Information Center Mainz)

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**2.2. Label elements**

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazard pictograms**

**Hazard statements**

not determined

**Precautionary statements**

not determined

**Hazard components for labelling**

not determined

**Supplemental hazard information**

not determined

**2.3. Other hazards**

No information available.

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

**3.2. Mixtures**

**Description** PVC-membrane

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

EC No.	REACH No.	weight-%
CAS No.	Designation	
Index No.	classification: // Remark	

not determined

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#### **Additional information**

Full text of H-phrases: see section 16.

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

No risks worthy of mention. Hazards may arise from excipients and processing. Take care for the labels and safety data sheets of the chemicals to be used. General information:

##### **General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

##### **In case of inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

##### **Following skin contact**

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

##### **After eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

##### **Following ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

#### **4.2. Most important symptoms and effects, both acute and delayed**

In all cases of doubt, or when symptoms persist, seek medical advice.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

First Aid, decontamination, treatment of symptoms.

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

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

##### **Unsuitable extinguishing media**

strong water jet

#### **5.2. Special hazards arising from the substance or mixture**

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

#### **5.3. Advice for firefighters**

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

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

**No risks worthy of mention.**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

No risks worthy of mention. Please observe the information on the safety data sheet at all times. Hazards may arise from excipients and processing. Take care for the labels and safety data sheets of the chemicals to be used.

#### **6.2. Environmental precautions**

No special environmental measures are necessary.

#### **6.3. Methods and material for containment and cleaning up**

No special measures are necessary.

#### **6.4. Reference to other sections**

Observe protective provisions (see section 7 and 8).

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

No special handling advices are necessary.

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**Advices on safe handling**

Avoid contact with skin, eyes and clothes. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO).

**Hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

**7.3. Specific end use(s)**

Observe technical data sheet. Observe instructions for use.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational exposure limit values:**

not determined

**8.2. Exposure controls**

Provide good ventilation. This can be achieved with local or room suction.

**Personal protection equipment**

**Respiratory protection**

Not applicable.

**Hand protection**

No special measures are necessary. Hazards may arise from excipients and processing. Take care for the labels and safety data sheets of the chemicals to be used.

**Eye/face protection**

No special measures are necessary. Hazards may arise from excipients and processing. Take care for the labels and safety data sheets of the chemicals to be used.

**Body protection**

Wear suitable protective clothing and gloves.

**Protective measures**

No special measures are necessary. Hazards may arise from excipients and processing. Take care for the labels and safety data sheets of the chemicals to be used.

**Environmental exposure controls**

No special measures are necessary. See section 7. No additional measures necessary.

**SECTION 9: Physical and chemical properties**

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

**Appearance:**

**Physical state:** solid  
**Colour:** black

**Odour:** characteristic

**Odour threshold:** not applicable

**pH at 20 °C:** not applicable  
Method: literature value

**Melting point/freezing point:** not determined

**Initial boiling point and boiling range:** not determined

**Flash point:** not applicable  
Method: literature value

**Evaporation rate:** not applicable

**flammability**

**Burning time:** not applicable

**Upper/lower flammability or explosive limits:**

**Lower explosion limit:** not applicable

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<b>Upper explosion limit:</b>	<b>not relevant</b>
<b>Vapour pressure at 20 °C:</b>	<b>not applicable</b>
<b>Vapour density:</b>	<b>not applicable</b>
<b>Relative density:</b>	
<b>Density at 21 °C:</b>	<b>1,200 g/cm<sup>3</sup></b> Method: literature value
<b>Solubility(ies):</b>	
<b>Water solubility at 20 °C:</b>	<b>insoluble</b>
<b>Partition coefficient: n-octanol/water:</b>	<b>see section 12</b>
<b>Auto-ignition temperature:</b>	<b>350 °C</b> Method: literature value
<b>Decomposition temperature:</b>	<b>not determined</b>
<b>Viscosity at °C:</b>	<b>solid</b>
<b>Explosive properties:</b>	<b>not applicable</b>
<b>Oxidising properties:</b>	<b>not applicable</b>
9.2. <b>Other information</b>	
<b>Solid content:</b>	<b>100 weight-%</b>
<b>solvent content:</b>	
<b>Organic solvents:</b>	<b>0 weight-%</b>
<b>Water:</b>	<b>0 weight-%</b>
<b>Solvent separation test:</b>	<b>&lt; 3 weight-% (ADR/RID)</b>

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No known hazardous reactions.

### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

### 10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

### 10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

### 10.5. Incompatible materials

Keep away from: Oxidising agent.

### 10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides. The product is stable under storage at normal ambient temperatures.

## SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

### 11.1. Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation; Serious eye damage/eye 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.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met.

#### STOT-single exposure; STOT-repeated exposure

Based on available data, the classification criteria are not met.

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#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### **Practical experience/human evidence**

#### **Overall Assessment on CMR properties**

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

### **SECTION 12: Ecological information**

Classification according to Regulation (EC) No 1272/2008 [CLP]  
Do not allow to enter into surface water or drains.

#### **12.1. Toxicity**

Based on available data, the classification criteria are not met.

#### **Long-term Ecotoxicity**

Toxicological data are not available.

#### **12.2. Persistence and degradability**

Toxicological data are not available.

#### **12.3. Bioaccumulative potential**

Toxicological data are not available.

#### **Bioconcentration factor (BCF)**

Toxicological data are not available.

#### **12.4. Mobility in soil**

Toxicological data are not available.

#### **12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### **12.6. Other adverse effects**

No information available.

### **SECTION 13: Disposal considerations**

#### **13.1. Waste treatment methods**

##### **Appropriate disposal / Product Recommendation**

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

##### **List of proposed waste codes/waste designations in accordance with EWC**

170203 plastic

##### **Appropriate disposal / Package Recommendation**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

### **SECTION 14: Transport information**

**This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).**

**No dangerous good in sense of this transport regulation.**

#### **14.1. UN number**

not determined

#### **14.2. UN proper shipping name**

#### **14.3. Transport hazard class(es)**

not determined

#### **14.4. Packing group**

not determined

#### **14.5. Environmental hazards**

Land transport (ADR/RID)

not determined

Marine pollutant

not determined

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**14.6. Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

**Further information**

**Land transport (ADR/RID)**

tunnel restriction code -

**Sea transport (IMDG)**

EmS-No. not determined

**Air transport (ICAO-TI / IATA-DGR)**

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU legislation**

**Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]**

VOC-value (in g/L): 0,000

**National regulations**

**Restrictions of occupation**

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

**Other regulations, restrictions and prohibition regulations**

**15.2. Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information**

**Full text of classification in section 3**

**Abbreviations and acronyms**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration

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REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

**Further information**

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.