



**Material Safety Data Sheet**  
according to regulation EC No. 1907/2006 REACH

**RenShape® BM 5460**  
Polyurethane board material

**OBO-Werke GmbH**

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## 1.) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY NAME

Commercial name: **RenShape® BM 5460**  
Use of substance/mixtures: model making material  
Supplier: OBO-Werke GmbH  
Am Bahnhof 5  
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Please take note that this document is not a legal requirement.

## 2.) HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

This substance isn't classified as hazardous in accordance with regulation (EC) no. 1272/2008.

### 2.2. Label elements

There is no requirement for the product to be specially labelled according to EC directives in correspondence to national laws.

### 2.3. Other hazards

When milling: danger of dust explosion

## 3.) COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical characterization:** reaction product based on polyurethane

## 4.) FIRST AID MEASURES

### 4.1. Description of first aid measures

Eye contact: Dust: immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contacts lenses. Get medical attention if irritation occurs.

Inhalation: Dust: remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact: Dust: flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Swallow: Dust: wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

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

There are no data available

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

There are no data available

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## **5.) FIRE-FIGHTING MEASURES**

### **5.1. Extinguishing media**

Suitable extinguishing media: Use an extinguishing agent suitable for the fire surroundings.

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

Carbon monoxide, nitrogen oxide, isocyanate vapor and traces of hydrogen cyanide is possible

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

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

#### **Special protective equipment for fire-fighters:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode clothing for fire-fighters (including helmets, protective boots and gloves)

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## **6.) ACCIDENTAL RELEASE MEASURES**

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

Dust can create explosive mixture. Keep away from sources of ignition, no smoking. Don't breathe dust. Provide adequate ventilation.

### **6.2. Environmental precautions**

No special measures are necessary.

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

Take up mechanically, placing in appropriate containers for disposal. Avoid dust formation

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

None

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## **7.) HANDLING AND STORAGE**

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

No special measures necessary if used correctly. Avoid dust formation. Keep away from source of ignition, No smoking

#### **Advice on protection against fire and explosion**

Dust can create explosive mixture.

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

Store in accordance with local regulations. No special measures necessary. Keep away from direct sunlight and avoid temperature variations.

### **7.3. Specific end uses(s):**

No information available

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## **8.) EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. Control parameters**

Contains no substances with occupational exposure limit values



## 8.2. Exposure controls

### Appropriate engineering controls

No special measures necessary.

### Individual protection and Hygiene measures

May form combustible dust concentrations in air. Keep away from source of ignition. No smoking

### Eye/face protection

Dust production eye glasses, wear suitable (dust-tight) gloves

### Skin /hand protection

Protective clothing, safety shoes

### Respiratory protection:

While machining in case of dust formation wear micro dust mask.

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## 9.) PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties Appearance:

|                        |                             |
|------------------------|-----------------------------|
| <b>Physical state:</b> | solid, board/block          |
| <b>Colour:</b>         | brown                       |
| <b>Odour:</b>          | odourless                   |
| <b>pH:</b>             | not available               |
| <b>Flash point:</b>    | not available               |
| <b>Density:</b>        | 670 - 770 kg/m <sup>3</sup> |
| <b>Solubility:</b>     | not soluble in water        |

### 9.2. Other information

No additional information

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## 10.) STABILITY AND REACTIVITY

### 10.1. Reactivity

No information available

### 10.2. Chemical stability

The product is stable.

### 10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4. Condition to avoid

No special measure are necessary. Do not overheat > 200 °C to avoid thermal decomposition

### 10.5. Incompatible materials

Not specific data available

### 10.6. Hazardous decomposition products

Carbon monoxide, nitrogen oxide, isocyanate vapor and traces of hydrogen cyanide is possible.

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## 11.) TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

**Acute toxicity:** not available



|                              |                                                                              |
|------------------------------|------------------------------------------------------------------------------|
| <b>Irritation/corrosion:</b> | dust particles, like other inert materials, are mechanically irritating eyes |
| <b>Sensitization:</b>        | based on available data, classification criteria are not met                 |
| <b>Carcinogenicity:</b>      | based on available data, classification criteria are not met                 |
| <b>Aspiration hazard:</b>    | based on available data, classification criteria are not met                 |

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## 12.) ECOLOGICAL INFORMATION

|                                                  |                |
|--------------------------------------------------|----------------|
| <b>12.1. Toxicity:</b>                           | not available  |
| <b>12.2. Persistence and degradability:</b>      | not degradable |
| <b>12.3. Bio accumulative potential:</b>         | not available  |
| <b>12.4. Mobility in soil:</b>                   | not available  |
| <b>12.5. Results of PBT and vPvB assessment:</b> | not available  |
| <b>12.6. Other adverse effects:</b>              | not available  |

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## 13.) DISPOSAL CONSIDERATIONS

- 13.1. Waste treatment / methods of disposal:**  
Dispose in compliance of local regulations. Recycling should be preferred to disposal.

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## 14.) TRANSPORT INFORMATION

|                                           | ADR/RID-AND/ADNR  | IMDG          | IATA          |
|-------------------------------------------|-------------------|---------------|---------------|
| <b>14.1. UN number</b>                    | Not regulated     | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b>      |                   |               |               |
| <b>14.3. Transport hazard</b>             | -                 | -             | -             |
| <b>14.4. Packing group</b>                | -                 | -             | -             |
| <b>14.5. Environmental hazards</b>        | no                |               |               |
| <b>14.6. Special precautions for user</b> | No dangerous good | Not available | Not available |

- 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:** not available

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## 15.) REGULATORY INFORMATION

- 15.1. Safety, health and environmental regulations specific for the substance or mixture  
EU Regulation (EC) No. 1907/2006 (REACH) Article 57)**  
None of the components are listed

**National regulatory information:**  
Not water contaminating

- 15.2. Chemical safety assessment:**  
For this product a chemical safety assessment is not required.



**16.) OTHER INFORMATION:**

Information given under items 4 to 8 and 10 to 12 do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product) but to liberation of major amount in case of accidents and irregularities.

**Notice to reader:**

The information contained in the safety data sheet corresponds to our level of knowledge at the time of publications. All warranties are excluded. Our most current general sales conditions shall apply. Please consult the product data sheet prior to any use and processing.