

## Product Information for Safe Use

### ROHACELL<sup>®</sup>

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Rohacell products are used as core material for sandwich structures. The base molecule of the foam (Plastic) is polymethacrylimide.

#### **Hazards identification**

This product is not classified according to CLP (EG 1272/2008); it is an article.

No particular hazards are known with its correct and appropriate use.

#### **First Aid Measures**

In case of contact with the eyes, rinse immediately with plenty of water. If any irritation persists seek medical help and advice. Mechanical irritations are possible during machining processes.

#### **Fire-fighting Measures**

Suitable extinguishing media are foam, carbon dioxide, dry chemical and water spray.

A full water jet is an unsuitable extinguishing media for safety reasons.  
As special protective equipment for fire fighting wear a self-contained breathing apparatus.

#### **Accidental Release Measures**

Dispose of in accordance with regulations.

#### **Handling and Storage**

During thermal processing and/or machining use local exhaust ventilation as required.

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#### Exposure Controls

During processing dust can be produced. Particles may affect the respiratory system. In the EEU for dust and particulates Occupational Exposure Values exist which require monitoring. If they are obeyed the adverse health effects are minimized.

The Occupational Exposure Value WEL (long-term) for inhalable dust or particulates is 10 mg/m<sup>3</sup>, the WEL for respirable dust is 4 mg/m<sup>3</sup>. The values are average values. Deviations from the average values have to be limited to the double to avoid local irritations. In addition the 8h mean value has to be obeyed.

An exposure protection program or applicable federal/national/provincial requirements must be followed whenever workplace conditions warrant exposure control.

#### Personal Protection

Follow the usual good standards of occupational hygiene.

##### **Respiratory protection**

Dust mask may be required for machining operations.

##### **Hand protection**

Wear protective gloves against mechanical risks according to EN 388 or OSHA 1910.134 and ANSI Z88.2.

Gloves should be replaced regularly, especially after extended contact with the product. For each work-place a suitable glove type has to be selected.

##### **Eye protection**

Use goggles for machining Rohacell.

#### Physical and Chemical Properties

The product form is white odourless sheets.

The ignition temperature is between 350 – 600 ° C.

The density varies between 0,02 – 0,3 g/cm<sup>3</sup> at 20° C depending on grade.

The product is insoluble in water and partly soluble in Dimethyl formamide.

#### Stability and Reactivity

Thermal decomposition starts at > 350° C.

No hazardous reactions are known.

At high temperature hazardous decomposition products can occur: carbon monoxide, nitriles.

#### Toxicological Information

The product has not been tested toxicologically. When handled and used as directed the product will not cause hazardous effects to health according to studies on similar products and practical experience. Avoid skin and eye contact and inhalation of product dust.

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#### Ecological Information

The product has not been tested ecotoxicologically. On the basis of the products consistency as well as its low water solubility a bioavailability is unlikely. Studies on products with similar composition confirm this assumption.

#### Disposal considerations

The waste is non-hazardous. It should be disposed of in accordance with the regulations after consultation of the competent local authorities and the disposal company in a suitable and licensed facility.

#### Code of waste EWC: 12 01 05

Wastes from shaping and physical and mechanical surface treatment of metals and plastics – plastic shavings and turnings.

#### Other information

Not a dangerous good within the meaning of transportation regulations.

ROHACELL is considered as an Article. A registration requirement does not apply for articles according to the European chemicals legislation REACH.

From Oct. 1st, 2010 the current Safety Data Sheets will no longer be valid.

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