

Product Information for Safe Use

ROHACELL®

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The ROHACELL® products are used as core material for sandwich structures. The Foam Plastic is manufactured on the basis of polymethacrylimide.

Hazards identification

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

No particular hazards are known with appropriate use.

First Aid Measures

After contact with the eyes and if mechanical irritation occurs it is recommended to flush eyes thoroughly with a large amount of water and to consult a physician if irritation persists. Mechanical irritations are possible during machining processes.

Fire-fighting Measures

Suitable extinguishing media are foam, carbon dioxide, dry chemical, 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

Absorb spill with inert material and place in a chemical waste container. Obey relevant local, state, provincial and federal laws and regulations.

Handling and Storage

During thermal processing and/or machining local exhaust ventilation at processing machines is necessary.

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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/m³, the WEL for respirable dust is 4 mg/m³. 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 have to be obeyed.

An exposure protection program or applicable federal/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

Goggles for machining operations.

Physical and Chemical Properties

The form of the product are white odourless sheets.

The ignition temperature is approximately 350 – 600 ° C.

The density is 0,03 – 0,19 g/cm³ at 20° C depending on type.

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. Uncontaminated packaging may be taken for recycling.

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.