

# SAFETY DATA SHEET

## FLEXIBLE POLYURETHANE FOAM



Version: 1.1

Update: 2016/11/21

### **RC 6540**

## 1. IDENTIFICATION OF THE SUBSTANCE

Product Name : RC 6540

Use of the Substance : Polyurethane flexible foam

Manufacturer : FoamPartner Bock PUM (Changzhou) Co. Ltd  
No.330 West Huanghe Road, New District  
213125 Changzhou, Jiangsu Province  
P.R. China  
Telephone: 86-519-81582128  
Telefax: 86-519-81582698  
E-mail: info@fpb-foam.com

## 2. HAZARDS IDENTIFICATION

The polyurethane foam does not contain any materials that require special marking.

Hazard warning is not required.

Polyol:	60%
TDI:	35%
Water:	2%
Additives:	3%

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Flexible polyurethane (PUR) foams are polyaddition products made of isocyanates and polyether or polyester polyols.

## 4. FIRST-AID MEASURES

After inhalation : No danger under normal circumstances.

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Contact with skin : No danger under normal circumstances.  
Contact with eyes : No danger under normal circumstances.

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

Extinguishing agents : Carbon dioxide, dry powder, water spray.

Combustion products : ethyl acetate, carbon monoxide, carbon dioxide, nitrogen oxides and its derivatives, cyanate, etc.

Further information : If the foam gets fire, flames spread rapidly and produce intense heat, thick smoke and toxic gases. Foam gradually becomes a burning liquid flow. If it is near the flame, sparks or other sources of ignition, too much foam dust in the air will cause an explosion.

Special fire fighting procedures : All non-emergency people must get away from the fire area and use appropriate fire-fighting facilities, and extinguish the fire from upwind position.

Protective equipment for fire-fighters : Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus and wear protective suit.

## **6. ACCIDENTAL RELEASE MEASURES**

Personal precautions : Not apply for PUR flexible foam.

Environmental precautions : Not apply for PUR flexible foam.

Methods for cleaning up : No danger to human bodies. Clean by hands.

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## **7. HANDLING AND STORAGE**

- |          |   |   |
|----------|---|---|
| Handling | : | Use human source or mechanical equipment when piling and recycling the foams.   |
| Storage  | : | Must be stored in the clean and dry air circulation away from the sun and water. Do not close to open flames or other heat sources. Make sure compliance with local laws and regulations on the material handling and storage facilities. |

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

- |                        |   |                            |
|------------------------|---|----------------------------|
| Respiratory protection | : | Not needed for normal use. |
| Protection for hands   | : | Not needed for normal use. |
| Eye protection         | : | Not needed for normal use. |
| Protection for skin    | : | Not needed for normal use. |
| Exposure limits        | : | No limits.                 |

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

- |                     |   |  |
|---------------------|---|--|
| Appearance          | : | RC 6540.   |
| Color               | : | Gray.  |
| Odour               | : | A faint odour.   |
| Density:            | : | 30 kg/m <sup>3</sup> at 25 °C<br>Method DIN EN ISO 845 |
| Decomposition temp. | : | > 180 °C   |
| Ignition temp.      | : | 400 °C   |

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#### **10. STABILITY AND REACTIVITY**

- Thermal decomposition : Temperature stability is given from – 40 °C to + 80 °C.  
Conditions to avoid : Keep away from ignition sources.  
Substance to avoid : Avoid contact with strong acids or bases.

#### **11. TOXICOLOGICAL INFORMATION**

According to the latest research knowledge PUR foam is physiologically harmless.

- Acute oral toxicity : No.  
Skin irritation : No.  
Eye irritation : No.  
Inhalation irritation : No.

#### **12. ECOLOGICAL INFORMATION**

According to the grade of foam, PU foam decomposes either very slowly or not at all.

#### **13. DISPOSAL CONSIDERATIONS**

No special requirements.

Waste disposal is possible on waste disposal site or in modern waste disposal plants.

#### **14. TRANSPORT INFORMATION**

No special precautions are required for the transport of PUR flexible foam.

- Road (ADR) : Not regulated.  
Air (ICAO/IATA) : Not regulated.  
Sea (IMDG/IMO) : Not regulated.

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### 15. REGULATORY INFORMATION

No further rules are required.

### 16. OTHER INFORMATION

This safety-datasheet is in accordance with the business solution of VWI Leitlinie 11.

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.