

# Safetyinformations

Produkt: PUR/PIR PURENIT Date: 07.02.2012  
Version : C Revisions : 15.08.2012



## **Voluntary safety information sheet for rigid polyurethane foam for professional.**

**These products are not mixtures or substances under REACH, but articles. Therefore, there is no obligation to create a safetydatasheet because the products are not classified as hazardous. However, in order to meet the demand of our customers and to promote risk prevention were placed in line with REACH these notes.**

### **SECTION 1: Product. and Manufacturer Identification**

#### 1.1 Product identification:

PUR / PIR: Blocks, trimmed blocks, plates, strips / profiles, according to EN 13165

Purenit ®: rigid polyurethane foam pressed sheets of PUR and PIR to DIBt Z-23 .819 0.11

#### 1.2 Areas

PUR / PIR rigid foam for use as high-performance structural and insulation in construction and in industry.

Purenit ®: engineering material for thermal insulation and as a structural element.

#### 1.3 Manufacturer:

Name / Company:	Puren GmbH
Address:	4 Rengoldshauser Str. DE 88662 Überlingen
Phone:	+49 7551 8099 555
Fax:	+49 7551 8099 156
E-mail:	<a href="mailto:industrie@puren.com">industrie@puren.com</a>

### **SECTION 2: Hazards**

#### 2.1 Classification of the item:

As an "article" under REACH PUR / PIR foam and Purenit ® is not classified as hazardous according to applicable regulations.

#### 2.2 Elements of labeling:

PUR-PIR foam Purenit ® and is not subject to the labeling requirements under the rules and regulations on chemical substances and mixtures.

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## 2.3 Other hazards:

- In normal use no negative effects on health and environment.
- Fire will produce heat and smoke should not be inhaled.
- After a fire no impact on possible contaminants in the initiation of fire water were observed in the sewer.

## SECTION 3: Composition

Foamed material. As polymer by reaction of a diisocyanate with a polyol using a blowing agent

Note: the diisocyanate is a material which reacts during the foaming and in the final product is no longer present in free form.

Article 33 of REACH. According to our knowledge no REACH SVHC according to the Candidate List and Annex XIV correspond, at a concentration of more than 0.1 wt%, there

## SECTION 4: First aid

### 4.1 Description of first aid:

During processing of the products may produce dust:

- Inhalation: Remove victim to fresh air, if breathing is difficult
- Skin contact: No special measures but
- Eye contact: Rinse thoroughly with water.
- Ingestion: rinse mouth several times, do not induce vomiting.

Consult a doctor if symptoms persist.

### 4.2 in acute symptoms:

No known adverse effects to date, apart from the classical effects in massive dust. In normal use, this is not expected.

### 4.3 Indication of immediate medical attention and special treatment:

No specific treatment is required.

## SECTION 5 Fire-fighting measures

### 5.1 Extinguishing Media:

Extinguishing Media: ABC powder - water-CO<sub>2</sub>

### 5.2 Hazards:

In a fire, decomposition products are formed, such as soot, carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO).

### 5.3 Advice for firefighters:

Respirator as recommended for most fires.

## SECTION 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures: None under normal use, no hazardous material.

### 6.2 Precautions for environmental protection:

None under normal use, no hazardous.

### 6.3 Methods and materials for containment and cleaning up:

Manual storage of the products.

### 6.4 Reference to other sections:

Not applicable.

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## SECTION 7 Handling and storage

### 7.1 Precautions for safe handling:

The wearing of gloves is recommended.

Avoid direct contact with an open flame. When dealing with extreme heat (burners) suitable extinguishing agent - see Section 5 - ready.

In case of intensive processing of the product without extraction creates dust. To prevent the formation of an explosive atmosphere for adequate room ventilation must be provided.

Verified during the loading and unloading of the packaging industry (mining and stability) before being stacked (see § 7.2 Storage).

### 7.2 Safe storage:

- Prevent fire and explosion: Avoid direct contact with an open flame and away from strong heat sources to prevent the risk of ignition of the product.

- Incompatible materials: Do not store with flammable substances or mixtures.

- Storage: Protected from the weather, and on a flat surface. No damaged packages / pallets stacked. Do not stack more than 3 m in height and avoid the foot traffic in the storage area.

- Packaging material: plastic film, wood pallets.

### 7.3 Special provisions:

No additional special provisions.

## SECTION 8 OSH

### 8.1 Control parameters:

Maximum average concentration of 10 mg / m<sup>3</sup> total dust in the atmosphere as well as the maximum average concentration of 5 mg / m<sup>3</sup> respirable dust in the atmosphere must be observed.

### 8.2 Exposure Controls:

Wear protective goggles when dust is generated: Eye protection -.

- Hand protection: Gloves recommended - see Section 7

- Respiratory protection: Wear dust mask unless adequate ventilation or exhaust is possible.

## SECTION 9 Physical and chemical properties

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

- Appearance: solid.

- Color: yellow, beige or cream (other colors available)

- Smell: if product typical

- Auto-ignition temperature: > 400 ° C.

- Danger of explosion: Not applicable. (Except for the dust in the air - see Section 7).

- Density: PUR / PIR: 30 to 300 kg / m<sup>3</sup> (at 20 ° C and depending on the thickness).

- Purenit ®: 500 to 700 kg / m<sup>3</sup> (at 20 ° C and depending on the thickness).

### 9.2 Other information:

Not applicable.

## SECTION 10 Stability and reactivity

### 10.1 Reactivity:

No specific reactivity in normal conditions.

### 10.2 Chemical stability:

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The product is stable under normal conditions.

10.3 Possibility of hazardous reactions:  
None under normal conditions of use.

10.4 Conditions to avoid:  
The proximity to heat sources should be avoided - see Section 7

10.5 Incompatible materials:  
None if in connection with the arrangements described.

10.6 Hazardous decomposition products:  
In harmless amounts. In case of fire, see section 5

## SECTION 11 Toxicological

11.1 Toxicological effects:  
No known risk of toxicological effects under normal conditions of use.  
In case of dust formation: classical risk of breathing problems and eye irritation.

## SECTION 12 Ecological

12.1 Toxicity:  
No known risk of toxicological effects on the environment under normal use.

12.2 Persistence and degradability:  
Not biodegradable. Swims in the water, the product is insoluble. The bulk density is less than water, does not decompose in water.

12.3 Bioaccumulative potential:  
Not applicable.

12.4 Mobility in soil:  
Not applicable.

12.5 Other adverse effects:  
The foaming agent used (PUR / PIR) comply with current regulations for the protection of the ozone layer.

## SECTION 13 Disposal

13.1 waste treatment methods:  
Foam Boards PUR / PIR and purenit ® functional materials are not hazardous waste.  
PUR / PIR can be transformed to materially purenit ® functional material purenit ® functional material can be thermally recycled in appropriate facilities.  
Calorific value (NCV): 20 to 30 MJ / kg  
Code of the EU classification of wastes: (insulation materials other than those mentioned in 17 06 01 and 17 06 03) 17 06 04th  
Packaging made of plastic or wood may also utilize heat. In all cases, the local regulations for waste disposal must be observed.

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### SECTION 14 Transport Information

14.1 UN number: Not applicable.

14.2 UN shipping name: Not applicable.

14.3 Traffic Hazard: Not applicable.

14.4 Packing group: Not applicable.

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user: note Sufficient power backup.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15 applicable regulations

1.15 specific legislation on product safety, health and environment:

REACH Regulation No 1907/2006

PUR / PIR and purenit ® functional material are "articles" under REACH - see Section 3 for SVHC.

15.2 Review of the Chemical Safety

"Item" are not subject to this investigation or the production of the exposure scenario under REACH.

### SECTION 16 For more information

Update: The amended entries are marked with an asterisk (\*) marks.

This sheet complements the technical sheets, does not replace it.

The information in this Safety Data Sheet has been compiled on the basis of our current knowledge about this product.

The data were taken in good faith and relate only to the specific product. In combination with other products or using unusual edits the validity fell. It does not relieve the professional users of not knowing and applying all provisions of his ministry.

