

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**



**Trade name :** PUR Smart Insulation Board 3882  
PUR Smart Dämmplatte 3882  
**Revision date :** 31.03.2017  
**Print date :** 31.03.2017

**Version :** 1.0.0

**SECTION 1: Identification of the substance/mixture and of the company/ undertaking**

**1.1 Product identifier**

PUR Smart Insulation Board 3882  
PUR Smart Dämmplatte 3882

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
**Relevant identified uses**

Polyurethan-Hartschaum Pressplatten zur Verwendung als Hochleistungsbauteile- und Dämmstoff.

**Uses advised against**

There are no information about relevant identified uses of the product according to the Regulation (EC) No. 1907/2006 (REACH-Regulation), which are advised against. For using the product observe the information in the Technical data sheet of the product.

**1.3 Details of the supplier of the safety data sheet**

**Supplier (manufacturer/importer/only representative/downstream user/distributor)**

Brillux GmbH & Co KG  
www.brillux.de

**Street :** Weseler Straße 401

**Postal code/city :** D - 48163 Münster

**Telephone :** +49 (0)251-7188-0

**Telefax :** +49 (0)251-7188-280

**Information contact :**

Electronic mail address of the well-informed person for safety data sheets:sdb@brillux.de

**1.4 Emergency telephone number**

Outside the business hours (9 a.m. to 5 p.m.):  
(Giftnotruf Berlin, consultation in german or english language)  
Telephone: +49 (0)30 30686 790.

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

None

**Additional information**

Als ein "Artikel" nach REACH ist das Produkt nicht als gefährlich im Sinne der geltenden Richtlinien eingestuft.

**2.2 Label elements**

**Other labelling**

Das Produkt unterliegt nicht der Kennzeichnungspflicht gemäß den Richtlinien und Vorschriften über chemische Stoffe und Gemische.

**2.3 Other hazards**

None

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Description**

Geschäumtes Material als Polymer mittels Reaktion eines Diisocyanat mit einem Polyol unter Verwendung eines Treibmittels.  
Hinweis: Das Diisocyanat ist ein Material, das während des Schäumens reagiert und im fertigen Produkt nicht mehr in freier Form vorliegt.

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### Hazardous ingredients

None

### Additional information

Verordnung (EG) Nr. 1907/2006 zur Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe (REACH):  
Dieses Produkt ist ein Erzeugnis. Es besteht daher keine Verpflichtung zur Erstellung eines Sicherheitsdatenblattes, da das Produkt nicht als gefährlich eingestuft ist.  
Dieses Produkt enthält keine SVHC-Stoffe gemäß REACH in einer Konzentration von > 0,1 Gew.-%.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

Bei der Verarbeitung des Produktes kann Staub entstehen.

#### Following inhalation

When symptoms persists, take the casualty into the fresh air and keep warm.

#### In case of skin contact

Skin contact: no irritation.

#### After eye contact

Remove contact lenses, keep eyelids open. Rinse open eye immediately with plenty of running water. Seek medical advice if complaint continues.

#### After ingestion

Rinse mouth with plenty of water. Do not induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

Keine negativen Auswirkungen bis heute bekannt, abgesehen von den klassischen Effekten bei massiver Staubbelastung. Bei normalem Gebrauch ist dies nicht zu erwarten.

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

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

ABC-powder Water spray jet. Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

None Known.

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

#### Hazardous combustion products

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. At high temperatures, dangerous decomposition products such as Carbon monoxide and dioxide, smoke, oxides of nitrogen.

### 5.3 Advice for firefighters

#### Special protective equipment for firefighters

At a fire caused by the product a breathing apparatus with an independent source of air is to have ready and to use if necessary for the firefighting.

### 5.4 Additional information

Cool endangered containers with water in case of fire. Do not allow run-off from fire-fighting to enter drains or water courses.

## SECTION 6: Accidental release measures

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

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Refer to protective measures listed in sections 7 and 8. Keep no protective persons away, personal should wear protective clothings.

## **6.2 Environmental precautions**

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

## **6.3 Methods and material for containment and cleaning up**

### **For cleaning up**

Take up mechanically by avoid fromation of dust.

## **6.4 Reference to other sections**

See Section 7 for information on safe handling. You find information about the safety equipment of persons in the section 8, information about the refuse disposal in section 13.

# **SECTION 7: Handling and storage**

## **7.1 Precautions for safe handling**

### **Protective measures**

Das Tragen von Handschuhen wird empfohlen.

Direkten Kontakt mit offener Flamme vermeiden. Beim Umgang mit starken Wärmequellen (z.B. Brenner) geeignetes Löschmittel - siehe Abschnitt 5 – bereithalten.

Bei intensiver Bearbeitung des Produktes ohne Absaugung entsteht Staub. Um die Bildung einer explosionsfähigen Atmosphäre zu verhindern ist für eine ausreichende Belüftung der Räume sorgen.

Während des Be- und Entladens muss die Verpackung der Palette überprüft werden (Abbau und Stabilität), bevor gestapelt wird (siehe § 7.2 Lagerung).

### **Measures to prevent fire**

Vermeidung von Brand und Explosion: Direkten Kontakt mit offener Flamme und die Nähe von starken Wärmequellen vermeiden, um die Gefahr einer Entzündung des Produktes zu verhindern.

### **Measures to prevent aerosol and dust generation**

Avoid dust development. Do not breathe dust.

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

### **Requirements for storage rooms and vessels**

Geschützt vor Wetter und auf einer ebenen Fläche. Keine beschädigten Pakete / Paletten stapeln. Nicht über 3 m Höhe stapeln und den Fußgängerverkehr in den Lagerbereich vermeiden.

Verpackungsmaterial: Kunststoff-Folie, Holz-Paletten.

### **Hints on joint storage**

Store away from foodstuffs. Nicht zusammen mit entzündlichen Stoffen oder Gemischen lagern.

**Storage class (TRGS 510) :** 11

### **Further information on storage conditions**

Store at 5°-35°C. Containers should be kept dry and sealed.

## **7.3 Specific end use(s)**

PUR-Hartschaumplatte zur Verwendung als Dämmstoff.

### **Industrial sector specific solutions**

**Giscode :** This product can not be encoded in accordance with GISBAU.

# **SECTION 8: Exposure controls/personal protection**

## **8.1 Control parameters**

### **Occupational exposure limit values**

The general dust limiting values has to be taken into account: 1,25 mg/m<sup>3</sup> and 10 mg/m<sup>3</sup>.

## **8.2 Exposure controls**

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## Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.  
Observe data available of section 7.

## Personal protection equipment

### Eye/face protection

Use safety eyewear designed to protect against splash of liquids.

### Skin protection

#### Hand protection

At use as agreed a protective gloves from nitrile rubber, tested according to DIN EN 374, with a material thickness 0,38 mm has to be used. Notes of the manufacturer have to be taken into account. Penetration time of the glove material: > = 8 h.

#### Body protection

Using protective clothing.

### Respiratory protection

Use the dust respirator of the filter class FFP3.

## General health and safety measures

Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Do not inhale product dusts.

## Environmental exposure controls

The product should not reach waters and the ground. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state :** Solid.

**Colour :** conformable to product designation.

#### Odour

odourless

#### Safety relevant basis data

<b>Initial boiling point and boiling range :</b>	( 1013 hPa )	not applicable
<b>Flash point :</b>		No data available
<b>Ignition temperature :</b>	>	400 °C
<b>Vapour pressure :</b>	( 50 °C )	not applicable
<b>Bulk density :</b>		500 - 700 kg/m <sup>3</sup>
<b>Water solubility :</b>	( 20 °C )	insoluble

### 9.2 Other information

Other physical and chemical data have not been determined.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangers connected by a possible reactivity of the product are known to proper handling and storage.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known if stored and handled the product correctly.

### 10.4 Conditions to avoid

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Keep away from frost, heat and direct sunlight.

### 10.5 Incompatible materials

Nicht zusammen mit entzündlichen Stoffen oder Gemischen lagern.

### 10.6 Hazardous decomposition products

When exposed to high temperatures or in case of fire hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen, may produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

Acute toxicity:

- Acute oral toxicity: No data available;
- Acute dermal toxicity: No data available;
- Acute inhalation toxicity: No data available.

#### Irritant and corrosive effects

Irritation:

- To the skin: Not expecting any damage or irritancy.
- At the eye: Not expecting any damage or irritancy.

#### Sensitisation

Sensitization: The product does not cause any skin and respiratory tract sensitization.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The product is not classified as human germ cell mutagenic, carcinogenic or human reproductive toxic (CMR effects).

#### STOT-single exposure

No risk expected.

#### STOT-repeated exposure

No risk expected.

#### Aspiration hazard

No risk expected.

### 11.4 Other adverse effects

#### Other observations

This product is unlikely to harm health, given normal and proper handling and hygienic precautions.

### 11.5 Additional information

At proper dealing and use as agreed the product does not cause any effects bad for health after our experiences and the information submitted to us.

## SECTION 12: Ecological information

### 12.1 Toxicity

Acute or chronic damages to water organisms by the product in the aquatic environment are not expecting.

### 12.2 Persistence and degradability

Nicht biologisch abbaubar. Im Wasser schwimmt das Produkt, unlöslich. Die Schüttdichte ist geringer als Wasser, zersetzt sich in Wasser nicht.

### 12.3 Bioaccumulative potential

These are not data available about the bio accumulation potential of the product. No information about the individual components is available either.

### 12.4 Mobility in soil

These are not data available about the potential of the product concerning his mobility in the ground. A penetrating into soil, waters and sewage system should be prevented.

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## 12.5 Results of PBT and vPvB assessment

This product does not contain any relevant substances which were classified as a PBT or vPvB-substance.

## 12.6 Other adverse effects

No information available.

## 12.7 Additional ecotoxicological information

Die verwendeten Treibmittel (PUR/PIR) entsprechen den aktuellen Vorschriften zum Schutz der Ozonschicht.  
Avoid exposing into ground, waterways and drainage.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal

##### Waste codes/waste designations according to EWC/AVV

##### Waste code product

Disposal-definition No. (EWC-Code): 17 06 04.

##### Waste treatment options

##### Appropriate disposal / Product

PUR-Hartschaum kann wiederverwertet oder recycelt werden. Ansonsten muss das Produkt in einer Abfallverbrennungsanlage oder lizenzierten Mülldeponie entsorgt werden.

##### Appropriate disposal / Package

Used packaging can be reused after being appropriately cleaned.

## SECTION 14: Transport information

### 14.1 UN number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant because the product in type of delivery does not transport in bulks according to the International Maritime Organization (IMO) instruments.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

##### Water hazard class (WGK)

Class : nwg (Non-hazardous to water)

### 15.2 Chemical safety assessment

A chemical safety assessments was not carried out.

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### SECTION 16: Other information

#### 16.1 Indication of changes

None

#### 16.2 Abbreviations and acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route)

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany) AOX: Adsorbable Organic halogen compounds

ATEmix: Calculated acute toxicity estimate of mixture

BCF: Bio-Concentration Factor

CAS: Chemical Abstract Service

CLP: Classification, Labelling and Packaging

CMR: Substances classified as Carcinogenic, Mutagenic or toxic for Reproduction

CSR: Chemical Safety Report

DNEL: Derived No Effect Level

EC: European Commission

EC50: Effective Concentration 50%

ECHA: European Chemical Agency

EEC: European Economic Community

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

EWC: European Waste Catalogue

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IC50: Inhibition Concentration 50%

IMDG Code: International Maritime Dangerous Goods Code

IMO: International Maritime Organization

LC50: Lethal concentration 50%

LD50: Lethal Dose 50%

LOAEL: Lowest Observed Adverse Effect Level

LOEL: Lowest observable effect level

MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG)

MARPOL: Convention for the Prevention of Marine Pollution from Ships

n.a.: Not applicable

n.d.: Not determined

n.r.: Not relevant

NLP: No Longer Polymers

NOAEC: No Observed Adverse Effect Concentration

NOAEL: No Observed Adverse Effect Level

NOEC: No Observed Effect Concentration

NOEL: No Observed Effect Level

OEL: Occupational Exposure Limit

PBT: Persistent, bioaccumulative, toxic

PNEC: Predicted No Effect Concentration

RCP: Reciprocal calculation procedure

REACH: Registration, Evaluation and Authorization of Chemical

RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)

STEL: Short-term Exposure Limit

SVHC: Substance of Very High Concern

TLV - TWA: Threshold Limit Value - Time Weighted Average

VOC: Volatile Organic Compounds

vPvB: Very persistent, very bioaccumulative.

#### 16.3 Key literature references and sources for data

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None

**16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

The evaluation of hazard information of the product was carried out in accordance to Annex I of the REGULATION (EC) No 1272/2008 (CLP Regulation).

**16.5 Relevant H- and EUH-phrases (Number and full text)**

None

**16.6 Training advice**

None

**16.7 Additional information**

None

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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