

**Safety data sheet according to regulation  
(EC) No 1907/2006 and (EC) No 1272/2008**



**Trade name:** Isobloc 500  
**Created on:** 11.05.2009  
**Issue date:** 01.06.2015  
**Version:** V2.1  
**Replaces former version:** V2.0

**Revision datet:** 20.09.2017  
**File name:** Isobloc500\_en\_SDB

---

**1. Designation of Material/Preparation/ and Company**

**Trade-name:** Isobloc 500

**REACH registration number:** none

**Product Information:** Thermal insulation of industrial equipment

**Manufacturer/Supplier :**

Techno-Physik Engineering GmbH

Schürmannstrasse 27- 31

D- 45136 Essen

Postfach 22 01 08

D- 45066 Essen

**phone / fax / e-mail**

+49 / 201 / 87991-1 / +49 / 201 / 87991-99 / [info@Techno-Physik.com](mailto:info@Techno-Physik.com)

---

**2. Composition: Information on Constituents**

Chemical Characterisation:

Processed glass- and rock wool with an insignificant addition of mineral oil, with or without additional duromer synthetic resin and adhesive and, where appropriate, with lining. Water-based adhesive, water-repelling agent, inorganic coating.

Fibre dusts with carcinogenicity index > 40 are not classified under TRGS 905.

---

**3. Potential Hazards**

3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 The substance is not classified according to the CLP regulation since it is an article.

3.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

3.3 Other hazards Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

---

**Safety data sheet according to regulation**  
(EC) No 1907/2006 and (EC) No 1272/2008



Trade name: **Isobloc 500**  
Created on: 11.05.2009  
Issue date: 01.06.2015  
Version: **V2.1**      **Revision datet: 20.09.2017**  
Replaces former version: V2.0      File name: Isobloc500\_en\_SDB

---

**4. First-aid Precautions**

- 4.1 after skin contact      Wash the affected areas of skin with water and mild soap.  
Do not use any other cleansing agents.
- 4.2 after contact with the eyes      Rinse the eyes with water
- 

**5. Fire-fighting Precautions**

Use an extinguisher appropriate to the environment.

---

**6. Action on accidental Release into the Atmosphere**

- 6.1 Personal precautions      See Point 8 - personal protective clothing for high dust concentrations
- 6.2. Environmental precautions and decontamination      Collect the product residues mechanically and fill into closed containers; Avoid creating dust. For collecting dust from the product use a vacuum cleaner or clean up with a damp cloth.
- 

**7. Handling and Storage**

- 7.1. Handling      Avoid the creation and deposition of dust.
- 7.2. Storage      Store in a dry place. Avoid damage to the packaging.
- 

**8. Exposure Control and personal protective Clothing and Equipment**

- 8.1. Additional instructions for the construction of technical plants      Use technical protective measures (e.g. dust exhaustion) to keep dust to a minimum

8.2. Constituents with limits affecting the workplace which require monitoring:

<u>Designation</u>	<u>Limit</u>	<u>Nature of limit</u>
Synthetic mineral fibres	500,000 fibres/m <sup>3</sup>	TRK
General dust limit	6 mg/m <sup>3</sup>	MAK

8.3 Personal Protective Clothing

Respiratory protection      Where the limits have been exceeded (see Point 8.2.) breathing apparatus with a particle filter corresponding to DIN 1381-P2 must be worn. It is recommended that these masks should be worn also at lower fibre concentrations.

Hand protection      The use of protective gloves is recommended.

**Safety data sheet according to regulation**  
(EC) No 1907/2006 and (EC) No 1272/2008



**Trade name:** Isobloc 500  
**Created on:** 11.05.2009  
**Issue date:** 01.06.2015  
**Version:** V2.1  
**Replaces former version:** V2.0

**Revision datet:** 20.09.2017  
**File name:** Isobloc500\_en\_SDB

---

**Eye protection** A suitable pair of goggles must be worn when working overhead.

**Body protection** Wear loose-fitting, long-sleeved, working clothes (disposable protective suits are recommended), headdress is recommended for overhead work.

**Protective and hygiene precautions** Clean the workplace regularly. Staff must be required to work cleanly and to observe high standards of personal hygiene.

---

### **9. Physical and chemical Properties**

9.1. Appearance: Form: blanket  
Colour : yellow  
Smell : odourless

9.2 Data of relevance for safety pH-value:  
Flash-point/flammability: non-flammable in accordance with DIN 4102  
Ignition temperature: non-flammable in accordance with DIN 4102  
Melting temperature: 650°C  
Solubility in water: at 25°C under 10-3 g/l  
Vapour pressure: at 25°C under 10-3 mbar

---

### **10. Stability and Reactivity**

Thermal decomposition of the organic binding agent above 200°C.

---

### **11. Toxicological Data**

Bio-stability tests of the synthetic mineral fibres employed produced the following results:  
Half-life on inhalation < 40 days

---

### **12. Ecological Data**

The, mostly mineral, constituents of these products are inert and stable.

Hydrolytic Class III

---

### **13. Instructions for Disposal**

These products contain no hazardous substances in the sense of the Dangerous Substances Directive and may be disposed of in an appropriate disposal site in keeping with official and local

**Safety data sheet according to regulation**  
**(EC) No 1907/2006 and (EC) No 1272/2008**



**Trade name:** Isobloc 500  
**Created on:** 11.05.2009  
**Issue date:** 01.06.2015  
**Version:** V2.1  
**Replaces former version:** V2.0

**Revision datet:** 20.09.2017  
**File name:** Isobloc500\_en\_SDB

---

regulations. Residues and waste not subjected to thermal effects will be taken back by the manufacturer.

EEC-Code for waste glass: 101103  
Product is 100 % recycling capable

---

#### **14. Shipping Data**

These products do not present any shipping hazard.

Protect products from damp during shipment. Avoid the creation of dust.

---

#### **15. Regulations**

These products are not subject to labelling regulations as they contain no hazardous substances in the sense of the Hazardous Substances Directive or the corresponding EU directives.

European Regulations:

Directive 97/69/EC

German Regulations:

TRGS 521 - Fibre Dusts

TRGS 900 - Ambient Air Limits at the Workplace

TRGS 905 - Index of Substances which cause Cancer, genetic Changes and Hazards to Reproduction

Third Decree amending the Hazardous Substances Directive of 12.6.1998 (BG bl.1, S.1286)

---

#### **16. Miscellaneous Data**

When working with these products, tools which cause minimum dust are to be employed. Preference must be given to prefabricated products. Packaging should only be removed immediately prior to application.

The data contained in this safety data sheet are based on the present state of knowledge and experience. The safety data sheet describes products from the viewpoint of safety requirements. The data have no significance as assurances regarding their properties.

---