

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



**Trade name:** Techno-Coat HT 1100  
**Created on:** 01.03.2010  
**Issue date:** 01.06.2015  
**Version:** V2.1  
**Replaces former version:** V2.0  
**Revision datet:** 20.09.2017  
**File name:** Techno-CoatHT1100\_en\_SDB

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

**Trade-name :** Techno – Coat HT 1100

**REACH registration number:** none

**Product Information:**

High temperature inorganic adhesive

**Manufacturer/Supplier :**

Techno-Physik Engineering GmbH

Schürmannstrasse 27- 31

D- 45136 Essen

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D- 45066 Essen

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**2. Composition: Information on Constituents**

**2 Hazards identification**

**Classification of the substance or mixture**

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



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

**Label elements**

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

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**



GHS07

**Signal word** Warning

**Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P262 Do not get in eyes, on skin, or on clothing.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

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### **3. Potential Hazards**

#### **Composition/information on ingredients**

##### **Chemical characterization: Mixtures**

**Description:** Mixture of aluminium silicates and water glass.

##### **Dangerous components:**

CAS: 1344-09-8 Sodium silicate: 20 - 30%  
EINECS: 215-687-4  
Re.nr. 01-2119448725-31-XXXX Skin Irrit. 2, H315; Eye Irrit. 2, H319

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### **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.
- 4.3 after swallowing Administer water only, do not induce any vomiting, call a doctor immediately.

Constant contact should be avoided as this can lead to persistant irritation. The normal precautions for handling chemicals are adequate.

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### **5. Fire-fighting Precautions**

non flammable.

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

not applicable.

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### **7. Handling and Storage**

- 7.1. Handling no data.
- 7.2. Storage Store dry at ambient temperature. Protect from frost.
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### **8. Exposure Control and personal protective Clothing and Equipment**

- 8.1. Additional instructions for the construction of technical plants no data
- 8.2. Constituents with limits affecting the workplace which require monitoring no data
- 8.3 Personal Protective Clothing
- Respiratory protection Where the limits have been exceeded (see Point 8.2.)

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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.

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), headress 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.

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

9.1. Appearance: Form: pasty  
Colour : grey-beige  
Smell : odourless

9.2 Data of relevance for safety pH-value: 12  
Flash-point/flammability: non-flammable  
Ignition-temperature: no data  
Explosive limits: no data  
Vapour pressure: no data  
Density: 1,9 g/cm<sup>3</sup>

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

no data.

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### **11. Toxicological Data**

no data.

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### **12. Ecological Data**

Alkaline solutions may not be allowed to enter groundwater. Material which has been spilt or become unusable through superimposition must therefore be allowed to harden. The hardened material has a porcelaine-like character and can be disposed of in accordance with the usual statutory regulations.

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

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Allow liquid material to harden. This can then be disposed of in accordance with the local regulations.

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

Class 8 para. 42 b  
Marginal number 2801 A  
Special regulation as maximum 1 litre contents per package and up to 4 litres per despatched item in order to avoid liability for labelling for shipment by road.

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#### **15. Regulations**

H315 Causes skin irritation.  
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#### **16. Miscellaneous Data**

Prolonged use at temperatures of approximately 1000°C can cause crystalline silicon oxide to form. Under these conditions it is recommended that the local regulations pertaining to silicon oxide dust should be complied with.

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.

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