

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



**Trade name:** Techno – Adhesive HTK  
**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:** Techno-KleberHTK\_en\_SDB

---

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

**Trade-name :** Techno – Adhesive HTK

**REACH registration number:** none

**Product Information:** Adhesive inorganic

**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**

**GHS CLASSIFICATIONS**

**Health:**

Carcinogenicity, Category 1B

Target Organ Toxicity (Repeated exposure), Category 2 Skin Irritation, Category 2

Eye Irritation, Category 2B Reproductive Toxicity, Category 2

**GHS LABEL**



Exclamation mark



Health hazard

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS**

H315: Causes skin irritation.

H320: Causes eye irritation.

H333: May be harmful if inhaled.

H335: May cause respiratory irritation.

H360: May damage fertility or the unborn child [state specific effect if known] [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard].

8576ZUY1: May cause cancer.

8492XP4O: May cause damage to Lungs or Kidneys through prolonged or repeated exposure.

**PRECAUTIONARY STATEMENTS**

**Prevention:**

P202: Obtain special instructions before use

P202: Do not handle until all safety precautions have been read and understood.

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

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash ... thoroughly after handling.

**Response:**

P308+P313: IF exposed or concerned: Get medical advice/attention.

P314: Get medical advice/attention if you feel unwell.

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



**Trade name:** Techno – Adhesive HTK  
**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:** Techno-KleberHTK\_en\_SDB

---

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

P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P322: Specific measures (see ... on this label).

P362: Take off contaminated clothing and wash before reuse.

**Storage:**

P405: Store locked up.

**Disposal:**

58525E4V: Dispose of contents/container to in accordance with local/national regulations

**POTENTIAL HEALTH EFFECTS**

**EYES:** Contact causes eye irritation.

**SKIN:** Itching or burning will occur with repeated or prolonged contact. May exacerbate existing skin conditions.

**INHALATION:** Dust or vapor irritating to eyes and respiratory tract.

---

**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

---

**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, <u>call a doctor immediately.</u>             |

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

---

**5. Fire-fighting Precautions**

non flammable.

---

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

not applicable.

---

**7. Handling and Storage**

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



**Trade name:** Techno – Adhesive HTK  
**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:** Techno-KleberHTK\_en\_SDB

---

7.1. Handling no data  
7.2. Storage Store dry at ambient temperature. Protect from frost.

---

## **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.) 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.

---

## **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: 2,48 g/cm<sup>3</sup>

---

## **10. Stability and Reactivity**

no data.

---

## **11. Toxicological Data**

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



**Trade name:** Techno – Adhesive HTK  
**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:** Techno-KleberHTK\_en\_SDB

---

no data.

---

### **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.

---

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

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

---

### **14. Shiping 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.

---

### **15. Regulations**

H315: Causes skin irritation.  
H320: Causes eye irritation.  
H333: May be harmful if inhaled.  
H335: May cause respiratory irritation.  
H360: May damage fertility or the unborn child [state specific effect if known] [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard].

---

### **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.

---