

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



Trade name: Techno – Adhesive HTM
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-KleberHTM_en_SDB

1. Designation of Material/Preparation/ and Company

Trade-name : Techno – Adhesive HTM

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

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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:

7783GYJS: 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:

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P308+P313: IF exposed or concerned: Get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.
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.

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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.) 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/cm³

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10. Stability and Reactivity

no data

11. Toxicological Data

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. Shipping Data

- 14.1.1 Land transport
 - 14.1.2 ADR-class: Not limited ADR-item number: N/A
 - 14.1.3 RID-class: Not limited RID-item number: N/A
 - 14.1.4 Hazard indication Nr.: N/A Substance indication Nr.: N/A
 - 14.1.5 TREM-card: N/A
 - 14.1.6 Proper shipping name: Techno-Adhesive HTM UN-number: Non
 - 14.1.7 Other information: Techno-Adhesive HTM is no hazardous product according to transport regulations.
 - 14.1.8 Sea transport
 - 14.1.9 UN-number: Non Class: Not limited
 - 14.1.10 Packaging group: N/A Sea contaminating substance: Non
 - 14.1.11 EMS: N/A MFAG:N/A
 - 14.1.12 IMO/IMDG-code: Not limited
 - 14.1.13 Proper shipping name: Techno-Adhesive HTM
 - 14.1.14 Other information: Techno-Adhesive HTM is no hazardous product according to transport regulations.
 - 14.1.15 Air transport
 - 14.1.16 IATA/ICAO/DGR: UN-number: Non
 - 14.1.17 Class: Not limited Packaging group: N/A
 - 14.1.18 Proper shipping name: Techno-Adhesive HTM
 - 14.1.19 Other information: Techno-Adhesive HTM is no hazardous product according to transport regulations
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15. Regulations

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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.
