

# Safety Data Sheet

Accordance to (EG) 1907/2006



TRADE NAMES : THERMAX – Adhesive  
Reviewed on: 27.01.2015 Version : 4.0  
print date : 27.01.2015

TP\_03\_V04\_E

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

Trade-name : THERMAX – Adhesive

REACH registration number: none

Product Information: High temperature inorganic adhesive

Manufacturer/Supplier :

Techno-Physik Engineering GmbH

Schürmannstrasse 27- 31

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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.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xi; Irritant

R36/38: Irritating to eyes and skin.

· **Classification system:**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

**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.

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**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             | Xi R36/38                               |
| Re.nr.  | 01-2119448725-31-XXXX | Skin Irrit. 2, H315; Eye Irrit. 2, H319 |

**Application:** Auxiliary product for foundry industry

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### 4. First-aid Precautions

#### **Description of first aid measures**

**After skin contact** Rinse with warm water.

#### **After eye contact**

Rinse opened eye for several minutes under running water. Then consult doctor.

#### **After swallowing**

Rinse out mouth and then slowly drink a glass of water. Call a doctor immediately.

#### **Information for doctor**

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

No further relevant information available.

#### **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

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### 5. Fire-fighting Precautions

#### **Extinguishing media**

#### **Suitable extinguishing agents**

Use fire fighting measures that suit the environment.

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

No further relevant information available.

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

not applicable.

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### 7. Handling and Storage

#### **Handling**

**Precautions for safe handling** No special measures required.

#### **Information about protection against explosions and fires:**

The product is not flammable

No special measures required.

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

#### **Storage**

#### **Requirements to be met by storerooms and containers:**

Do not use light alloy containers.

Suitable material for containers and conduit: steel or stainless steel.

#### **Information about storage in one common storage facility:**

Do not store together with acids.

#### **Further information about storage conditions: Protect from frost.**

**Specific end use(s)** No further relevant information available.

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

**Additional information about design of technical systems:** No further data; see item 7.

#### **Control parameters**

**Components with critical values that require monitoring at the workplace:**

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The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

## Exposure controls

### Personal protective equipment

### General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Avoid close or long term contact with the skin.

**Breathing equipment:** Not required.

**Protection of hands:** Protective gloves of nitrile or butyl rubber.

### Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Safety glasses

## 9. Physical and chemical Properties

### Information on basic physical and chemical properties

#### General Information

#### Appearance:

**Form:** Pasty

**Colour:** Yellowish

**Smell:** Nearly odourless

**pH-value at 20 °C:** 11 - 12

#### Change in condition

**Melting point/Melting range:** Not applicable

**Boiling point/Boiling range:** > 100 °C ((water))

**Flash point:** None

**Ignition temperature:** Void

**Danger of explosion:** Product is not explosive

**Vapour pressure at 20 °C:** 23 mbar ((water))

**Density :** Not determined

**Solubility in / Miscibility with Water:** Partly soluble

**Viscosity: dynamic at 20 °C:** 66 - 74 Pas

**Other information** No further relevant information available.

## 10. Stability and Reactivity

### Reactivity

#### Chemical stability

**Thermal decomposition / conditions to be avoided:** None (water is vaporizing)

**Possibility of hazardous reactions** No dangerous reactions known

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** No dangerous decomposition products known

## 11. Toxicological Data

### Information on toxicological effects

#### Acute toxicity:

#### Primary irritant effect:

**on the skin:** Irritant for skin and mucous membranes.

**on the eye:** Strong irritant with the danger of severe eye injury.

**Sensitization:** No sensitizing effect known.

## 12. Ecological Data

### Toxicity

**Aquatic toxicity:** No further relevant information available.

#### Persistence and degradability

No further relevant information available.

#### Behaviour in environmental systems:

**Bioaccumulative potential** No further relevant information available.

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**Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes:**

Do not allow product to reach ground water, lakes, rivers or sewage system.

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No further relevant information available.

## **13. Instructions for Disposal**

**Waste treatment methods**

**Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Disposal considerations** Chemical/physical preliminary treatment.

**European waste catalogue**

The classification in the european waste catalogue must be done for the branch and for the process type.

**Uncleaned packagings:**

**Recommendation:**

Disposal must be done according to official regulations.

Empty contaminated containers thoroughly. They can be recycled after thorough and proper cleaning.

## **14. Shipping Data**

**UN-Number**

**ADR, IMDG, IATA** Void

**UN proper shipping name**

**ADR, IMDG, IATA** Void

**Transport hazard class(es)**

**ADR, IMDG, IATA** Void

**Class**

**Packing group** Void

**ADR, IMDG, IATA** Void

**Environmental hazards:** Not applicable.

**Special precautions for user** Not applicable.

**Transport in bulk according to**

**Annex II of MARPOL73/78 and the**

**IBC Code** Not applicable.

**Transport/Additional information:** Not dangerous according to the above specifications.

## **15. Regulations**

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## **16. Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

\* Data compared to the previous version altered.

**Relevant phrases**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

R36/38 Irritating to eyes and skin.

**Department issuing data specification sheet:** Product Safety Department