

Safety data sheet according to regulation
(EC) No 1907/2006 and (EC) No. 2020/878



Trade name:	Techno-Adhesive HT 1100		
Created on:	01.03.2010		
Issue date:	01.01.2021		
Version:	V4.2	Revision dated:	30.03.2022
Replaces former version:	V4.1	File name:	Techno-AdhesiveHT1100_en_SDB

1. Designation of Material/Preparation/ and Company

Trade-name: Techno-Adhesive HT 1100
REACH registration number: none
Product Information: Heat engineering applications

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

2. Composition: Information on Components

2.1 Substances

Not applicable. The substance is a mixture.

2.2 Mixtures

Mixture of aluminum silicates and sodium silicate.

EC No.: none; CAS No.: 215-687-4; Index No.: none; Registration No.: 01-2119448725-31-XXXX

Content : 20-30 %

Classification according to Regulation (EC) No. 1272/2008: Skin Irrit. 2, H315; Eye Irrit. 2, H319.

(The wording of the listed hazard statements can be found in section 16)

3. Potential Hazards

3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Pictogram:



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

3.2 Label elements

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

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Pictogram:



GHS07

Signal word: CAUTION

Hazard-determining components of labeling contains:

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements:

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

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
rinse with water. Remove any contact lenses if possible. Continue rinsing.

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

P362+P364 Take off contaminated clothing and wash before reuse.

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

3.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

4. First-aid Precautions

4.1 Description of the first aid measure

General instructions

Immediately remove any clothing contaminated with the product.

After inhalation

If unconscious, place in recovery and transport in the recovery position.

After skin contact

Wash off immediately with soap and water and rinse thoroughly.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist

Consult a doctor if symptoms persist.

After swallowing

Rinse out mouth and drink plenty of water. Do not induce vomiting, seek medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

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5 Firefighting measures

5.1 Extinguishing agent

The product is non-combustible; the type of extinguishing agent used in the event of a surrounding fire must be adapted to the environment.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases possible when heated.

5.3 Advice for firefighters

Wear self-contained breathing apparatus.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Do not allow to enter drains/surface water/groundwater.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder, sawdust).

6.4 Reference to other sections

See section 7 for information on safe handling.

For information on personal protective equipment see section 8.

For information on disposal see section 13.

7 Handling and storage

7.1 Precautions for safe handling

No special measures required.

No special measures required if used properly.

Measures to protect against fire and explosions

The product is not flammable. No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Information on storage conditions

Do not store together with acids. Protect from frost.

Requirements for storage rooms and containers

Provide solvent-resistant and leak-proof floor.

Keep container tightly closed.

Storage class VCI: LGK 12

7.3 Specific end uses

Industry and sector specific guidelines

No further relevant information available

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8 Exposure controls / Personal protective equipment

8.1 Parameters to be monitored

Additional information on the design of technical systems:

No further information, see section 7.

Occupational exposure limits and/or biological limit values

The product does not contain any relevant quantities of substances with workplace-related, substance-specific limit values to be monitored.

8.2 Limitation and monitoring of exposure

General protective and hygienic measures

Keep away from food, drink and animal feed.

Remove soiled, soaked clothing immediately.

Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

Individual protection measures - personal protective equipment

The usual precautionary measures for handling chemicals must be observed.

Eye / face protection

Tightly sealed safety goggles

Skin protection

Gloves: The glove material must be impermeable and resistant to the product / substance / mixture.

Select the glove material taking into account the breakthrough times, permeation rates and degradation.

Glove material: Butyl rubber or nitrile rubber

Penetration time: The exact breakthrough time must be obtained from the protective glove manufacturer and adhered to.

Other skin protection

Work clothing. Avoid prolonged and intensive skin contact.

Respiratory protection

Not required

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9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

- Physical state:	pasty
- Color:	yellowish
Odor:	Almost odorless
Odor threshold:	Not determined
pH value:	11-12
Melting point/freezing point:	not applicable
Initial boiling point and boiling range:	> 100°C (water)
Flash point:	none
Evaporation rate:	not determined
Flammability (solid, gaseous):	not applicable
Upper/lower flammability or explosive limits:	The product is not explosive.
Vapor pressure at 20°C:	23 mbar (water)
Vapor density:	not determined
Relative density:	not determinable
Solubility(ies):	Water: partially soluble
Partition coefficient	
n-octanol/water:	Not determinable
Auto-ignition temperature:	not applicable
Decomposition temperature:	not determinable
Viscosity:	Dynamic at 20°C: 66-74 Pa
Explosive properties:	none
Oxidizing properties:	none

9.2 Other information

No further relevant information available.

10. Stability and Reactivity

10.1 Reactivity	None
10.2 Chemical stability	No thermal decomposition (water evaporates).
10.3 Possibility of hazardous reactions	Strong exothermic reaction with acids.
10.4 Conditions to avoid	No further relevant information available.
10.5 Incompatible materials	No further relevant information available.
10.6 Hazardous decomposition products	No hazardous decomposition products known.

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11 Toxicological information

11.1 Information on toxicological effects

For substances belonging to the following hazard classes (incl. brief summary of available test results and details of methods)

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Strong irritant effect with risk of serious eye damage.
Respiratory or skin sensitization	No sensitizing effect known.
Germ cell mutagenicity	Not applicable.
Carcinogenicity	Not applicable.
Reproductive toxicity	Not applicable.
Specific target organ toxicity (single exposure)	Not applicable.
Specific target organ toxicity repeated exposure	Not applicable.
Aspiration hazard	No aspiration hazard.

For mixtures for the following effects

No further relevant information available.

Symptoms and effects (delayed and chronic) with route of exposure data also: Information on toxicokinetics, metabolism and distribution

No further relevant information available.

12 Environmental information

12.1 Toxicity

No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

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Further ecological information:

Water hazard class 1 (self-classification): slightly hazardous to water

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

12.5 Result of PBT and vPvB assessment

Not applicable.

12.6 Other adverse effects

No further relevant information available.

13. Notes on Disposal

13.1 Waste treatment procedures

Recommendation

Must not be disposed of together with household waste. Do not allow to enter drains.

Treatment of contaminated packaging

Dispose of in accordance with official regulations.

Contaminated packaging must be emptied optimally and can then be recycled after appropriate cleaning.

Waste code according to the Waste Catalogue Ordinance (AVV)

The assignment of the waste code number must be carried out in accordance with the EWC regulation for each industry and process type.

Special precautions

Must not be disposed of together with household waste.

Relevant EU or other regulations

None

14. Information on Transportation

14.1 UN number Not applicable

14.2 UN proper shipping name

ADR/RID: No dangerous goods

IMDG Code / ICAO-TI / IATA-DGR: No dangerous goods

14.3 Transport hazard classes Not dangerous goods

14.4 Packaging group Not applicable

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14.5 Environmental hazards

Indicators of environmentally hazardous substances

ADR/RID / IMDG-Code /
ICAO-TI / IATA-DGR: not applicable

Marine Pollutant: not applicable

14.6 Special precautions for user none

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Pollution category (X, Y or Z): Not applicable

Type of vessel (1, 2 or 3): Not applicable

15. Legislation

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU Named dangerous substances - ANNEX I

None of the ingredients are included.

REGULATION (EC) No 1907/2006 ANNEX XVII

Restriction conditions: 3

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II

None of the ingredients are included.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED OUTPUTS FOR EXPLOSIVE SUBSTANCES (Upper concentration limit for authorization according to Article 5 (3))

None of the ingredients are present.

Annex II - DECLARABLE EXPLOSIVE OUTPUTS

None of the ingredients is included.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients are included.

Regulation (EC) No. 111/2005 laying down rules for the monitoring of trade in drug precursors between the Community and third countries

None of the ingredients are included.

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National regulations

Information on employment restrictions:

Observe employment restrictions for young people.

Observe employment restrictions for expectant and nursing mothers.

Water hazard class Germany

WGK1 (Self-assessment according to VwVwS of 17.05.99): slightly hazardous to water.

Further regulations:

none.

16. Miscellaneous Data

Changes compared to the last version

Change in section 2, labeling H- and P-phrases according to CLP regulation.

Abbreviations

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

GefStoffV: Ordinance on Hazardous Substances (Ordinance on Hazardous Substances, Germany)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin irritant/corrosive effect - Category 2

Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

Literature references and data sources

The information is based on our current knowledge, but does not constitute a guarantee of product properties and does not establish a contractual relationship.

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Methods according to Article 9 of Regulation (EC) No. 1272/2008 used to assess the information for the purpose of classification skin irritation/corrosion & serious eye damage/eye irritation: Expert judgment

Wording of the hazard statements and/or precautionary statements referred to in sections 2 to 15

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements:

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

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

rinse with water. Remove any contact lenses if possible. Continue rinsing.

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

P362+P364 Take off contaminated clothing and wash before reuse.

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

Get medical advice/attention.

Training for workers

Information on usual precautions when handling chemicals.

Further information

none
