

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



Trade name: Techno Sil 300
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-Sil300_en_SDB

1. Designation of Material/Preparation/ and Company

Trade-name : Techno – Sil 300

REACH registration number: none

Product Information: Silicone sealant

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

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 The substance is not classified according to the CLP regulation

2.2 Label elements

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

Hazard pictograms Void

Signal word Void

Hazard statements Void

Additional information:

Ensure good ventilation during application and curing.

Safety data sheet available on request

2.3 Other hazards

During the application and curing process of the material chemicals are released as vapour (see item 11). Therefore ensure good ventilation or exhaustion if necessary.

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

3. Potential Hazards

3.2 Chemical characterisation: Mixtures

Description: Polydimethylsiloxane, filler, auxiliaries and acetoxysilane crosslinker

Dangerous components:

CAS: 17689-77-9 ethyltriacetoxysilane < 2,5%

EINECS: 241-677-4



Skin Corr. 1B, H314; Eye Dam. 1, H318;

Reg.nr.: 01-2119881778-15-0000



Acute Tox. 4, H302

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CAS: 4253-34-3 methylsilanetriyl triacetate < 2,5%

EINECS: 224-221-9



Skin Corr. 1C, H314; Eye Dam. 1, H318;



Acute Tox. 4, H302

Additional information For the wording of the listed hazard phrases refer to section 16.

4. First-aid Precautions

4.1 Description of first aid measures

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact

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

After swallowing

Do not induce vomiting; call for medical help immediately. Show container or label.

5. Fire-fighting Precautions

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Protective equipment:

Mount respiratory protective device.

6. Action on accidental Release into the Atmosphere

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections See Section 8 for information on personal protection equipment.

7. Handling and Storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace. see item 8: Personal protective equipment

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

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Protect from heat and direct sunlight.

8. Exposure Control and personal protective Clothing and Equipment

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

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

64-19-7 acetic acid

OEL Short-term value: 37 mg/m³, 15 ml/m³

Long-term value: 25 mg/m³, 10 ml/m³

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages and feed.

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection:

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e.type ABEK according to standard EN 14387) is used.

Protection of hands: Protective gloves.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Recommended glove types: nitrile rubber

Recommended thickness of the material: 0.1 mm

Penetration time of glove material Breakthrough time: > 120 min

Eye protection: Safety glasses

Body protection: Protective work clothing.

9. Physical and chemical Properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: pasty

Colour: Red-brown

Odour: Pungent

Odour threshold: Not determined.

pH-value: Not determined.

Change in condition

Melting point/freezing point: undetermined

Initial boiling point and boiling range: undetermined

Flash point: Not applicable

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Explosion limits:

Lower: not applicable

Upper: not applicable

Oxidising properties Not determined.

Vapour pressure: Not determined.

Density at 20 °C: 1.18 g/cm³

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Vapour density Not applicable.
Evaporation rate Not determined.
Solubility in / Miscibility with Water: Insoluble
Partition coefficient: n-octanol/water: Not determined.
Viscosity: Not determined.

10. Stability and Reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Avoid strong heating.

10.3 Possibility of hazardous reactions No dangerous reactions known

10.6 Hazardous decomposition products:

Tests on representative products have shown that above temperatures of 150 °C small quantities of formaldehyde are split off.

see item 5.2

11. Toxicological Data

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

Primary irritant effect:

Skin corrosion/irritation

not irritating

Source: ECHA

Test in accordance with: OECD Guideline 404 (rabbit).

Serious eye damage/irritation

not irritating

Source: ECHA

Test in accordance with: OECD Guideline 405 (rabbit).

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Other information (about experimental toxicology):

In curing the material splits off acetic acid as damp. This may cause irritating effects to skin, eyes or respiratory system.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

12. Ecological Data

12.2 Persistence and degradability

Other information: Product is not biodegradable.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

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

12.5 Results of PBT and vPvB assessment

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PBT: Not applicable.

vPvB: Not applicable.

13. Instructions for Disposal

13.1 Waste treatment methods

Recommendation

Already cured material can be disposed of with the domestic or commercial waste. Unconsumed material (fluid, paste-like) is to dispose of as hazardous waste.

Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

14. Shipping Data

14.1 UN-Number

ADR, ADN, IMDG, IATA Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class Void

14.4 Packing group

ADR, IMDG, IATA Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user Not applicable.

14.7 Transport in bulk according to Annex II

of Marpol and the IBC Code Not applicable.

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

UN "Model Regulation": Void

15. Regulations

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

National regulations

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Details of international registration status:

Listed on or in accordance with the following inventories:

EINECS – Europe	listed
AICS - Australia	listed
DSL/NDSL - Canada	listed
IECSC - China	listed
ENCS - Japan not	listed
NZIoC - New Zealand not	listed
PICCS – Philippines	listed
ECL/KECI - Korea	listed
TSCA - USA	listed
NECI - Taiwan not	listed

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

16. Miscellaneous Data

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

Department issuing SDS: Tel.: 0049- (0)201-879911

Contact: Tel.: 0049- (0)201-879911

Abbreviations and acronyms:

ADR: Accord européen sur le transport 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 Harmonised 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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

*** Data compared to the previous version altered.**
