

Safety Data Sheet

according to regulation (EC) No. 1907/2006 (REACH)

Trade name: i.STICK 1K

Revision date: 02.05.2022

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SECTION 1

Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: i.STICK 1K

1.2 Application of the substance / the mixture

Sealant based on silane-modified polymeres

Product category [PC]

PC1 - Adhesives, sealants

Uses advised against

None known

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: i.GLUESYSTEMS GmbH
Heinrich-Otto-Str. 71
D-73240 Wendlingen am Neckar
+49(0) 7024 41549 20
info@i-gluesystems.com

Further information: +49(0) 7024 41549 20
info@i-gluesystems.com

1.4 Emergency telephone no: +49(0) 551 19240 emergency phone number Göttingen 24h Mo-Su

SECTION 2

Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Not a hazardous substance or mixture

2.2 Label elements

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

Special rules for supplemental label elements for certain mixtures

EUH210 - Safety data sheet available on request

2.3 Other hazards

None

SECTION 3

Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Silane, ethenyltrimethoxy-

REACH-Registration Number: 01-2119513215-52-; EC-No.: 220-449-8; CAS-No.: 2768-02-7

Weight-%: $\geq 3 - < 5$ %

Classification 1272/2008 [CLP]: Flam. Liq. 3; H226 Acute Tox. 4; H332

Additional information

Full text of H- and EUH-phrases: see section 16

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SECTION 4

First aid measures

4.1 Description of first aid measures

General information

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

After inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

After contact with the skin

Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a doctor.

After contact with the eyes

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Hold eyelids apart and consult a physician.

After swallowing

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious).

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

SECTION 5

Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water mist , extinguishing powder , alcohol-resistant foam , carbon dioxide , sand

Extinguishing media which must not be used for safety reasons

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition can lead to release of toxic/corrosive gases and vapours. Carbon monoxide. Carbon dioxide (CO₂).

5.3 Advice for firefighters

Do not allow extinguishing water to enter canals and waters.

Special protective equipment for fire fighting

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

SECTION 6

Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Avoid contact with skin, eyes or clothing.

6.2 Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

6.4 Reference to other sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

6.5 Additional information

No release of hazardous substances.

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SECTION 7

Handling and storage

7.1 Precautions for safe handling

Precautions

No special precautions required.

7.2 Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels

Observe local/state/federal regulations.

Advice for storage of incompatible materials

Observe local/state/federal regulations.

Further information for storage

Store in a dry and cool place. Protect against moisture. Store container in a well ventilated place.

7.3 Specific end use(s)

Sealant based on silane-modified polymers. Observe technical data sheet.

SECTION 8

Exposure controls/personal protection

8.1 Control parameters

Exposure Limits

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. As Titanium dioxide (13463-67-7) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses.

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Chemical Name: Methanol 67-56-1
European Union: TWA: 200 ppm TWA: 260 mg/m³
S*

Derived No Effect Level (DNEL)

No information available

Predicted No Effect Concentration (PNEC)

No information available.

8.2 Exposure controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection

Tight sealing safety goggles.

Skin and Body Protection

Suitable protective clothing.

Environmental Exposure Controls

No information available.

SECTION 9

Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state / form: Paste
Colour: White

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Odour

Slight, characteristic

Odour limit

Not applicable

Security relevant basic data

Melting point / melting range:	No information available
Boiling point / boiling range:	No information available
Decomposition temperature:	No information available
Flash point:	> 61 °C c.c.
Autoignition temperature:	No information available
Upper explosive limit:	No information available
Lower explosive limit:	No information available
Vapour pressure: (50 °C)	< 1100hPa
Density: (20 °C)	approx. 1,5 g/cm ³
Water solubility: (20 °C)	Reacts with water
pH-value:	No information available
log P O/W:	No information available
Viscosity: (20 °C)	No information available
Vapour Density: (20 °C)	No information available
Evaporation rate:	No information available
VOC content:	No information available
Oxidising properties:	No information available
Explosive Properties:	No information available

9.2 Other information

The product is not self-igniting. The product is not explosive.

SECTION 10

Stability and reactivity

10.1 Reactivity

Product hardens with moisture.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

None known

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

None under normal use conditions.

SECTION 11

Toxicological information

11.1 Information on toxicological effects

Product Information

In vitro Bovine Corneal Opacity and Permeability tests (BCOP test; OECD 437) have been carried out on this product.

Inhalation

No Data Available.

Eye contact

The test item induced a mean In-vitro irritancy score ≤ 3 , the test item was considered as a test chemical not requiring classification for eye irritation or serious eye damage (UN GHS No Category).

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Skin Contact

No Data Available.

Ingestion

No Data Available.

Sensitisation

No Data Available.

Component Information

Toxicity Data

No information available

Chemical Name: Silane, ethenyltrimethoxy-
Oral LD50: = 7340 µL/kg (Rat)
Dermal LD50: = 3360 µL/kg (Rabbit)
Inhalation LC50: -

Skin Corrosion/Irritation

Not applicable.

Serious eye damage/eye irritation

Not applicable.

Sensitisation

Not applicable

Germ Cell Mutagenicity

Not applicable.

Carcinogenicity

Not applicable.

Reproductive Toxicity

No information available.

STOT - Single Exposure

No information available.

STOT - Repeated Exposure

No information available.

Target Organ Effects

Eyes, Lungs, Respiratory system, Skin.

Aspiration Hazard

No information available.

Unknown acute toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

SECTION 12

Ecological information

12.1 Toxicity

Ecotoxicity

No information available

Component Information

Data obtained on the component(s) include

Chemical Name: Silane, ethenyltrimethoxy-
Algae/aquatic plants: -
Fish: -
Crustacea: EC50(48hr) 168.7mg/l (Daphnia magna)

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12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6 Other Adverse Effects

No information available

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

SECTION 13

Disposal considerations

13.1. Waste treatment methods

Waste from Residues/Unused Products

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Improper disposal or reuse of this container may be dangerous and illegal.

European Waste Catalogue

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

SECTION 14

Transport information

14.1 UN number

Not hazardous according to these transportation regulations.

14.2 UN proper shipping name

Not hazardous according to these transportation regulations.

14.3 Transport hazard class(es)

Not hazardous according to these transportation regulations.

14.4 Packing group

Not hazardous according to these transportation regulations.

14.5 Environmental hazards

Not hazardous according to these transportation regulations.

14.6 Special precautions for user

None

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

No information available.

SECTION 15

Regulatory information

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work.

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Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006) EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV

No flammable liquids in accordance with BetrSichV

Water hazard class (WGK)

WGK 1

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Not Listed

15.2 Chemical safety assessment

No information available

SECTION 16

Other information

16.1 Indication of changes

None

16.2 Legend

SVHC: Substances of Very High Concern for Authorisation: Substance(s) of Very High Concern PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

STOT (RE): Specific target organ toxicity - Repeated exposure STOT (SE): Specific target organ toxicity - Single exposure EWC: European Waste Catalogue

16.3 Key literature references and sources for data

No information available

16.4 Full text of H-Statements referred to under sections 2 and 3

H226 - Flammable liquid and vapour H332 - Harmful if inhaled

16.5 Training Advice

No information available

16.6 Further information

No information available

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.