



TWEHA SOLARMATE

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Date of issue: 3/1/2016 Revision date: : Jan 10, 2018

Version: 2.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : TWEHA SOLARMATE

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Professional use, Consumer uses, Industrial uses.
Industrial/Professional use spec : Adhesive

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

TCB
Stelt 7
NL-5521HA Eersel - HOLLAND
T: +31 88 999 81 81
E: info@tweha.com

1.4. Emergency telephone number

Emergency number : Nationaal Vergiftigingen Informatie Centrum: +31 30 274 88 88 (NL)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Not classified as dangerous according to the criteria of directive(s) 67/548/EEC and/or 1999/45/EC.
Other hazards not contributing to the classification : None under normal conditions.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Vinyltrimethoxysilane	(CAS No) 2768-02-7 (EC no) 220-449-8	< 2	Acute Tox. 4 (Inhalation), H332
Reactive silanes		< 1	Eye Irrit. 2, H319
Stabiliser		< 1	Aquatic Chronic 2, H411
UV-absorber		<= 0.5	Eye Irrit. 2, H319 Aquatic Chronic 2, H411

Full text of R- and H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove the victim into fresh air. When there is no quick recovery : consult a doctor/medical service.
First-aid measures after skin contact : Remove immediately contaminated clothing. Wash immediately with lots of water and a mild cleaning agent. Take victim to a doctor if irritation persists.

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- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Take victim to an ophthalmologist if irritation persists.
- First-aid measures after ingestion : Do not induce vomiting. Consult a doctor/medical service.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO₂), dry chemical powder, foam, hazy water, sand/earth. Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : In dry state: not easily combustible.

Explosion hazard : Not applicable.

Reactivity in case of fire : On burning release of harmful/irritant gases/vapours e.g.: (carbon monoxide - carbon dioxide).

5.3. Advice for firefighters

Precautionary measures fire : Shut off leaks if without risks. Evacuate all personnel that isn't necessary.

Firefighting instructions : Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation.

6.1.1. For non-emergency personnel

Protective equipment : Use protective clothing. See Heading 8.

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry of product in public water, sewers or soil.

6.3. Methods and material for containment and cleaning up

For containment : Contain released substance, pump into suitable containers.

Methods for cleaning up : Collect spillage. Wash down leftovers with plenty of water.

6.4. Reference to other sections

See also sections (8, 13).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : ventilate the area.

Precautions for safe handling : Do not eat, drink or smoke when using this product. Protect from moisture. Avoid contact with skin and eyes. Observe normal hygiene standards.

Handling temperature : 8 - 35 °C

Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep container tightly closed. Store in a dry place. Protect from moisture. Keep out of frost.

Maximum storage period : 1 year

Storage temperature : 8 - 30 °C

Storage area : Keep only in the original container. Keep away from moisture. Store in a dry area.

7.3. Specific end use(s)

Glue.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Personal protective equipment	: Gloves.
Hand protection	: Avoid contact with skin. Wear suitable gloves.
Eye protection	: None under normal use
Skin and body protection	: Product is not dangerous in normal conditions of use. Standard working clothes
Respiratory protection	: Ensure adequate ventilation



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: pasty
Colour	: dark grey.
Odour	: characteristic odour.
pH	: Not applicable
Flash point	: None known
Density	: 1.58 g/cm ³ ± 0,1
Solubility	: Water: Insoluble
Explosive properties	: Not applicable.
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

On burning release of harmful/irritant gases/vapours e.g.: (carbon monoxide - carbon dioxide). Reacts with water (moisture). traces of methanol may be possible.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Avoid temperature above 200°C.

10.5. Incompatible materials

Water.

10.6. Hazardous decomposition products

Combustion products may include: carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

TWEHA SOLARMATE

LD50 oral rat	20000 mg/kg
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Vinyltrimethoxysilane (2768-02-7)

LD50 oral rat	> 7300 mg/kg
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LD50 dermal rabbit	> 3400 mg/kg
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LC50 inhalation rat (mg/l)	16.79 mg/l/4h
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Reactive silanes

LD50 oral rat	> 2000 mg/kg
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LD50 dermal rabbit	> 2000 mg/kg
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Skin corrosion/irritation	: Not classified
	pH: Not applicable
Serious eye damage/irritation	: Not classified
	pH: Not applicable
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: No data available. Prevent soil and water pollution.
Ecology - water	: insoluble in water

Vinyltrimethoxysilane (2768-02-7)

LC50 fish 1	> 100 mg/l 96h
EC50 Daphnia 1	> 100 mg/l 48h
EC50 other aquatic organisms 1	> 100 mg/l 72h

Reactive silanes

LC50 fish 1	1264 mg/l
LC50 other aquatic organisms 1	302 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Wastes, including emptied containers, should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.
European List of Waste (LoW) code	: 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: Not applicable
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IMDG

Transport hazard class(es) (IMDG) : Not applicable
Danger labels (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable
Hazard labels (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable
Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : Not classified as dangerous for the environment

14.6. Special precautions for user

- Overland transport

Transport regulations (ADR) : Not subject

- Transport by sea

No data available

- Air transport

Transport regulations (IATA) : Not subject
PCA packing instructions (IATA) : Not restricted
CAO packing instructions (IATA) : Not restricted

- Inland waterway transport

No data available

- Rail transport

No data available

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) nwg, Non-hazardous to water (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

TWEHA STONELMATE

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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Data sources : The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty.

Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation
H332	Harmful if inhaled
H411	Toxic to aquatic life with long lasting effects

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product