

SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Seal & Fix clear/transparent/metallic

SECTION 1. Identification of the substance/mixture and of the company

1.1 Product identifier Seal & Fix clear/transparent/metallic

1.2 Relevant identified uses of the product and uses advised against
Intended use:

Sealants. Professional use.

1.3 Details of the supplier of the safety data sheet

Manufacturer: Sunchem AB
Box 69
S-433 21 Partille Sverige

+46-31 44 73 10 - F +46 31 44 95 81
info@sunco.se
Dick Sundström

1.4 Telephone emergency number:

In case of emergency, contact toxicological information, emergency tel 112.
For non-emergency poison information, see:
http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/

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

Classification according to regulation (EC) No. 1272/2008 (CLP)

Pictogram(s) -

Signal word: -

Hazard statements -

Additional information
EUH0208

Contains Trimethoxyvinylsilan. May produce an allergic reaction.

Precautionary statements

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

2.3 Other hazards

This mixture does not contain any substances that meets the criteria for PBT or vPvB in accordance with Regulation (EC) No. 1907/2006, Annex XIII.

SECTION 3. Composition/information on ingredients

3.2 Mixtures

Declaration of components according to Regulation (EC) No. 1272/2008

Chemical name	CAS No. EC No.	REACH Reg. No. Index No.	Conc. %	Classification
3-(Trimethoxisilyl) propylamine	13822-56-5 237-511-5	01-2119510159-45 -	<1	Skin Irrit 2; H315 Eye Dam. 1; H318
Trimethoxyvinylsilane	2768-02-7 220-449-8	01-2119513215-52 014-049-00-0	<1	Flam. Liq. 3, H226 Skin Sens. 1B, H317 Acute Tox. 4 (Inhalation), H332 (ATE=1,5 mg/l/4u) STOT RE 2, H373
N-propyl, trimetoxysilan	1067-25-0 213-926-7	01-2119972314-37 -	<0,25	Flam. Liq. 3, H226 Skin Irrit 2; H315
Silic acid (H ₄ SiO ₄), tetraethyl ester, reaction product of bis(acethyloxy) tributyl stannan	93925-43-0 300-346-5	- -	< 0,20	Flam. Liq. 3, H226 STOT RE 1, H372

For full text of the H-statements see section 16 "Other information".

SECTION 4. First aid measures

4.1 Description of first aid measures

General:	In the least doubt or if symptoms persist, seek medical attention.
Inhalation:	Fresh air and rest. If symptoms persist, seek medical attention.
Skin contact:	Wash skin with soap and water. If symptoms persist, consult a doctor.
Eye contact:	Rinse carefully with water for several minutes. Remove any contact lenses if this can be done easily. Continue to rinse. If eye irritation persists, consult a doctor.
Ingestion:	Do NOT induce vomiting. Rinse mouth and drink plenty of water. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Dust from this product may cause irritation to the respiratory tract.

Dust may cause mechanical irritation (skin contact).

Dust from this product may cause eye irritation.

Ingestion may cause nausea, vomiting and diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment. Consult a doctor and show this safety data sheet.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use water fog, alcohol resistant foam, powder, or carbon dioxide.

Unsuitable extinguishing media: Water with a full water jet.

5.2 Special hazards arising from the substance or mixture

The product is not flammable.

Hazardous decomposition products

In case of fire: Carbon monoxide, carbon dioxide and nitrogen oxides.

5.3 Advice to firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Cool containers exposed to flames with water.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources. Ensure adequate ventilation. Wear personal protective equipment, see Section 8.

6.2 Environmental precautions

Avoid discharges to soil, water or air. Prevent discharges into sewers.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 8 for personal protection and Section 13 for disposal considerations, respectively.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Only to be used in well-ventilated areas. Avoid dust formation. Avoid inhalation of dust. Don't eat, drink or smoke while handling this product. Wash hands before breaks, and at the end of the work. Contaminated working cloths should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse. Use personal protection according to Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original package. Store the package in a well-ventilated place. Keep container tightly closed. Keep cool and dry.

See more information about incompatible materials, Section 10.

7.3 Specific end use(s)

See Section 1.2.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

The national occupational exposure limit values that correspond to Union occupational exposure limit values in accordance with Directive 98/24/EC, including any notations as referred to in Article 2(3) of Commission Decision 2014/113/EU(5); Lack of specific value (CAS related).

8.2 Exposure control

Assigned personal protection equipment is a guideline. A risk assessment of actual risks may lead to other requirements.

8.2.1 Engineering controls

Work in a well-ventilated area.

8.2.2 Personal protection

Do not eat, drink or smoke when using this product. Wash hands after handling. Check type of protection gloves with the manufacturer of personal protection, according to CEN standards.

8.2.2.1 Eye protection

If dust formation: Wear protective goggles.

8.2.2.2 Hand protection

Use proper protection gloves, to protect mechanical irritation. (STANDARD EN 420:2003 / EN 388:2003 / EN 388:2016). Chemical resistant gloves shall be used if longer or repeated contact. Chemical gloves of neoprene or nitrile rubber. 0,2 - 0,4 mm. 6 (> 480 minutes). STANDARD EN 374.

Skin protection

In case of dust formation, wear protective clothes.

8.2.2.3 Respiratory protection

In case of dust formation use respiratory protection (full-face mask with particle filter type P3). Standard EN 143:2021.

8.2.2.4 Thermal hazard

No thermal hazards.

8.3 Environmental exposure control

See Section 6.2.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

a	Physical state	Solid
b	Colour	Variation.
c	Odour/odour threshold	No data
d	Melting point/Freezing point	No data available/not applicable
e	Initial boiling point/boiling range	No data available/not applicable
f	Flammability (solid, gas)	No data available/not applicable
g	Lower and upper explosion limit	No data available/not applicable
h	Flash point	No data
i	Auto-ignition temperature	No data available/not applicable
j	Decomposition temperature	No data available/not applicable
k	pH	No data available/not applicable
l	Kinematic viscosity	No data available/not applicable
m	Solubility	No data available/not applicable
n	Partition coefficient (n-octanol/water)	No data available/not applicable
o	Vapour pressure	No data available/not applicable
p	Density and/or relative density	1-1,03 g/cm ³
q	Relative vapour density	No data available/not applicable
r	Particle characteristics	No data

9.2 Other information

9.2.1 Information with regards to physical hazard classes

The product is not explosive nor flammable.

9.2.2 Other safety characteristics

No specific data.

SECTION 10. Stability and reactivity

10.1 Reactivity

Stable under recommended storage and usage conditions.

10.2 Chemical stability

Stable under recommended storage and usage conditions.

10.3 Possibility of hazardous reactions

Not known any hazardous reaction during usage conditions.

10.4 Conditions to avoid

Not known.

10.5 Incompatible materials

Oxidising agents.

10.6 Hazardous decomposition products

During fire or high temperatures, carbon monoxide (CO) may be formed. Otherwise not any hazardous products.

SECTION 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological tests have been performed on the product. The product is not classified as toxic.

ATE_{oral} > 2000 mg/kg

ATE_{dermal} >2000 mg/kg

General toxicological information

LD50-value oral: >5000 mg/kg (rat)

LD50-value dermal: >3200 mg/kg (rabbit)

LC50 inhalation (4h): 2773 ppm (rat)

LC50 inhalation (vapours): 17 mg/l/4u (rat)

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity:	Not classified
Skin corrosion/irritation:	Not classified
Serious eye damage/eye irritation:	Not classified
Respiratory or skin sensitization:	Not classified. (May cause an allergic reaction).
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT – single exposure:	Not classified
STOT – repeated exposure:	Not classified
Aspiration hazard:	Not classified

11.2 Information on other hazards

No specific information according REACH (Art 59.1) or EU 2018/605.

SECTION 12. Ecological information

12.1 Toxicity

No toxicological tests have been performed on the product. Not classified according aquatic life effects.

Hazardous components CAS no.	Value Type	Value	Route of Exposure	Exposure Time	Species	Method
3-(Trimethoxisilyl) propylamine	LC50	100-191mg/l	Water	96 h	Fish	
3-(Trimethoxisilyl) propylamine	EC50	100 mg/l	Water	48 h	Daphnia	
Trimethoxyvinylsilane	LC50	>934 mg/l	Water	96 h	Fish	
Trimethoxyvinylsilane	EC50	331 mg/l	Water	48 h	Daphnia	
Trimethoxyvinylsilane	ErC50	100-191mg/l	Water	72 h	Algae	

12.2 Persistence and degradability

Biodegradability 67% within 28 days (OECD 301A).

12.3 Bioaccumulative potential

No data available for the product. But one of the components has got a value of Log Pow -0.32 – 1.16.

12.4 Mobility in soil

Low solubility, about 2,2 g/l (OECD 105). No more specific data.

12.5 Results of PBT and vPvB assessment

The substance/mixture does not fulfil the criteria to be identified as PBT substance or vPvB substance.

12.6 Endocrine disrupted properties

No data available.

12.7 Other adverse effects

No data available.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Dispose according to Directive 2008/98/EC on waste (Waste Framework Directive) and in compliance with local and national legislation. Do not allow to enter sewers. Transfer to a waste container and send for destruction.

Packaging may still contain hazardous residues and disposal should be undertaken by a licensed waste contractor. Any disposal practice must comply with local and national laws and regulations.

Suggested EWC codes

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

SECTION 14. Transport information

14.1 UN number

ADR	-
RID	-
IMDG	-
ICAO/IATA	-

14.2 UN proper shipping name

ADR	-
RID	-
IMDG	-
ICAO/IATA	-

14.3 Transport hazard class(es)

ADR	-
Hazard no.	-
RID	-
ADN	-
IMDG	-
ICAO/IATA	-

14.4 Packaging group

ADR	-
RID	-
IMDG	-
ICAO/IATA	-

14.5 Environmental hazards

ADR	NO
RID	NO
IMDG	NO
ICAO/IATA	NO

14.6 Special precautions for user

Tunnel restriction code	-
Limited quantities, ADR	-

14.7 Maritime transport in bulk according to IMO instruments.

Not applicable

SECTION 15. Regulatory information

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

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16. Other information

Revision summary

Version 4.0 Sections 2, 3, 11, 12, 13 and 16.

Explanations to abbreviations in Section 14

ADR	European Agreement Concerning the International Carriage of Dangerous Goods by Road
RID	Règlement concernant le transport international ferroviaire de marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by rail)
IMDG	IMDG code (International Maritime Dangerous Goods Code)
ICAO	International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)
IATA	International Air Transport Association

Explanations to abbreviations in Section 3

Acute Tox 4	Acute toxicity, Category 4
Eye Dam 1	Serious eye damage/eye irritation (Category 1)
Flam Liq.3	Flammable Liquid (Category 3)
Skin Irrit 2	Skin corrosion/irritation (Category 2)
Skin Sens 1	Skin Sensitisers (Category 1)
Skin Sens 1A	Skin Sensitisers (Category 1A)
STOT RE 1	Specific target organ toxicity (repeated exposure) (Category 1)
STOT RE 2	Specific target organ toxicity (repeated exposure) (Category 1)

Explanations to H statements in Section 3

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs (8) H373 through prolonged or repeated exposure.

This safety data sheet has been updated and reviewed by Chemgroup Scandinavia AB.