Sunchem AB

SAFETY DATA SHEET

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

Seal & Fix bond

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

1.1 Product identifier Seal & Fix bond

1.2 Relevant identified uses of the product and uses advised against

Intended use: Sealant. Professional use.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Sunchem AB
Postal address: Box 69
S-433 21 Partille, Sweden
Telephone.: T+46-31 44 73 10 - F +46 31 44 95 81
E-mail: info@sunco.se

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 -

Precautionary statements

Additional information

EUH0208 Contains Trimethoxyvinylsilan. May produce an allergic reaction.
EUH210 Safety data sheet on request.

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
Trimethoxyvinylsilane	2768-02-7 220-449-8	01-2119513215-52 014-049-00-0	<1	Flam. Liq. 3; H226 Acute Tox.4; H332 Skin Sens 1B; H317 STOT RE 2; H373

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: Take off immediately all contaminated clothing. Rinse skin with water/shower. Apply emollient cream. Repeated exposure may cause skin dryness or cracking.

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. If vomiting occurs, the head should be kept low so that stomach vomit doesn´t enter the lungs. Drink a few glasses of water or milk. Contact physician if larger quantity has been consumed.

4.2 Most important symptoms and effects, both acute and delayed

Dust from this product may give respiratory or eye irritation, or mechanical skin 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. Even soil or sand.

Unsuitable extinguishing media: Water with a full water jet.

5.2 Special hazards arising from the substance or mixture

Not flammable.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

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

Ensure adequate ventilation, especially in confined areas. Avoid skin or eye contact. 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, universal binders, sawdust). Dispose of the material collected according to regulations. Then finally rinse with water.

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

Ensure adequate ventilation. Wash hands before breaks, and at the end of the work. Avoid dust formation or inhalation. Avoid contact with skin or eyes. Contaminated working cloths should not be allowed out of the

workplace. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original package. Prevent penetration of the product into the floor. Keep away from oxidising agents. Store the package in a well-ventilated place. Keep container tightly closed. Keep cool.

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); There is no specific values in this case.

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.

8.2.2.1 Eye protection

In the event of spatter, wear protective googles. STANDARD EN 166.

8.2.2.2 Hand protection

In the event of direct contact or spatter, use protective gloves. Examples of preferred glove barrier materials include nitrile rubber and neoprene rubber. Layer thickness: 0,2-0,4 mm. Break through time: < 480 min STANDARD EN 374.

Skin protection

Wear protective clothing.

8.2.2.3 Respiratory protection

In case of dust formation use respiratory protection filter type P3 according standard EN143.

8.2.2.4 Thermal hazard

The product is not flammable.

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**	Varying
c	**Odour/odour threshold**	No data available/not applicable
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 available/not applicable
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**	1,4 - 1,5
q	**Relative vapour density**	No data available/not applicable
r	**Particle characteristics**	No data available/not applicable

9.2 Other information

9.2.1 Information with reagard to physical hazard classes

a	**Explosives**	Not explosive.
b	**Flammable gases**	No data available/not applicable
c	**Aerosols**	No data available/not applicable
d	**Oxidising gases**	No data available/not applicable
e	**Gases under pressure**	No data available/not applicable
f	**Flammable liquids**	No data available/not applicable
g	**Flammable solids**	No data available/not applicable
h	**Self-reactive substances and mixtures**	No data available/not applicable
i	**Pyroforic liquids**	No data available/not applicable
j	**Pyroforic solids**	No data available/not applicable
k	**Self-heating substances and mixtures**	No data available/not applicable
l	**Substances and mixtures, with emit flammable gases in contact with water**	No data available/not applicable
m	**Oxidising liquids**	No data available/not applicable
n	**Oxidising solids**	No data available/not applicable
o	**Organic peroxides**	No data available/not applicable
p	**Corrosive to metals**	No data available/not applicable
q	**Desensitised exploxives**	No data available/not applicable

9.2.2 Other safety characteristics

a	**Mechanical sensitivity**	No data available/not applicable

b	**Self-accelerating polymerisation temperature**	No data available/not applicable
c	**Formation of explosible dust/air mixtures**	No data available/not applicable
d	**Acid/alkaline reserve**	No data available/not applicable
e	**Evaporation rate**	No data available/not applicable
f	**Miscibility**	No data available/not applicable
g	**Conductivity**	No data available/not applicable
h	**Corrosiveness**	No data available/not applicable
i	**Gas group**	No data available/not applicable
j	**Redox potential**	No data available/not applicable
k	**Radical formation potential**	No data available/not applicable
l	**Photocatalytic properties**	No data available/not applicable

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

May occur during contact with unsuitable conditions or incompatible materials, see Section 10.4 and 10.5, respectively.

10.4 Conditions to avoid

Stable under recommended storage and usage conditions.

10.5 Incompatible materials

Oxidising agents.

10.6 Hazardous decomposition products

During fire or high temperatures, carbon monoxide (CO) may be formed.

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 or harmful.

Hazardous components	Value Type	Value	Route of exposure	Species	Method
Trimethoxyvinylsilane	LD50	>5000 mg/kg	Oral	Rat	
Trimethoxyvinylsilane	LD50	>3200 mg/kg	Dermal	Rabbit	
Trimethoxyvinylsilane	LC50	2773 ppm	Inhalation	Rat	4h (pmm)
Trimethoxyvinylsilane	LC50	17mg/l	Inhalation	Rat	Vapours

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
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 more specific information.

SECTION 12. Ecological information

12.1 Toxicity

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

Hazardous components CAS no.	Value Type	Value	Route of Exposure	Exposure Time	Species	Method
Trimethoxyvinylsilane	LC50	100 - 190 mg/l	Vatten	96 h	Fisk	
Trimethoxyvinylsilane	EC50	100 mg/l	Vatten	48 h	Daphnia	

12.2 Persistence and degradability

Biogradable: No data from the product, but for
Log Pow for Trimethoxyvinylsilane is: -0.32

12.3 Bioaccumulative potential

No data available about Log Pow.

12.4 Mobility in soil

Slightly soluble.

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 additional 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. Directive (EU) 2018/851 of the European Parliament.

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

Dispose as hazardous waste.

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.

No IBC-code for bulk transport offshore (MARPOL).

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, Authorization 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 3.
Mainly updates according REACH Appendix II. New titles and Section 9.

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

Flam. Liq. 3	Flammable Liquid (Category 3)
Acute Tox 4	Acute Toxicity (Category 4)
Skin Sens 1	Skin Sensitisers (Categori 1)
STOT RE 2	Specific target organ toxicity (repeated exposure) (Category 2)

Explanations to H statements in Section 3

H226	Flammable liquid and vapour.
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure.

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