SealPrem Low Modulus Silicone

1. DESCRIPTION

1.1 Product Name

SealPrem Low Modulus Silicone (translucent)

1.2 Use

Sealant

1.3 Supplier

Premier Sealant Systems Ltd., Mercia Way, Foxhills Industrial Park, Scunthorpe, North Lincolnshire, DN15 8RE
T: 01724 864 100

Emergency number: 112 or 999

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Not classified as hazardous.

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2 Label elements

Labelling according to Regulations (EC) No. 1272/2008 [CLP]

EUH-statements:	EUH208 - Contains trimethoxyvinylsilane(2768-02-7). May produce an allergic reaction.

2.3 Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

3. COMPOSITION & INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable.

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
C15-19 ALKANE	EC-No.: 934-956-3	⩾ 5 – < 10	Asp. Tox. 1, H304
trimethoxyvinylsilane	CAS-No.: 2768-02-7 EC-No.: 220-449-8	< 5	Skin Sens. 1B, H317 STOT RE 2, H373 Aquatic Chronic 3, H412
3-Aminopropyl(methyl) silsesquioxanes, ethoxy-terminated	CAS-No.: 128446-60-6	⩾ 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319

3.2.1 Hazardous ingredients

[1] = Hazardous or environmentally harmful substance
[2] = Substance with a Community workplace exposure limit
[3] = PBT substance
[4] = vPvB substance
Full text of H- and EUH-statements: see section 15. Classification codes are explained in section 15.

4. FIRST AID MEASURES

4.1 Description of first aid measures

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Wash skin with plenty of water.
First-aid measures after eye contact: Rinse eyes with water as a precaution.
First-aid measures after ingestion: Call a poison center or a doctor if you feel unwell.

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

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2 Specific Hazards

Toxic fumes may be released.

5.3 Special Fire-Fighting Procedures

None.

5.4 Fire-Fighter

A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear proper protective equipment. Ventilate spillage area.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site.

7. HANDLING & STORAGE

7.1 Precautions for safe storage

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment. Do not empty into drains.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Remove contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool.

7.3 Specific end use(s)

Refer to the technical data sheet.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Control parameters:

- **National occupational exposure and biological limit values**

  No additional information available.

- **Recommended monitoring procedures**

  No additional information available.

- **Air contaminants formed**

  No additional information available.

- **DNEL and PNEC**

  No additional information available.

- **Control banding**

  No additional information available.

8.2 Exposure Controls

Ensure good ventilation of the work station.

8.3 Personal Protection

Personal protective equipment symbol(s):

Respiratory	In case of insufficient ventilation, wear suitable respiratory equipment.
Skin & Body	Wear suitable protective clothing where significant skin contact can occur.
Hand Protection	Protective gloves.
Eye and face protection	Safety glasses should be worn.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Properties

Physical state:	Liquid
Colour:	Translucent
Appearance:	Paste
Odour:	None
Odour threshold:	Not available
Melting point:	Not applicable
Freezing point:	Not available
Boiling point:	Not available
Flammability:	Non flammable
Explosive limits:	Not available
Lower explosion limit:	Not available
Upper explosion limit:	Not available
Flash point:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
pH:	Not available
Viscosity, kinematic:	Not available
Solubility:	0 g/l at 25°C
Partition coefficient n-octanol/water (Log Kow):	Not available
Vapour pressure:	Not available
Vapour pressure at 50°C:	Not available
Density:	Not available
Relative density:	Not available
Relative vapour density at 20°C:	Not available
Particle characteristics:	Not applicable
Oxidising properties:	None

10. STABILITY & REACTIVITY

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Stability

Stable under normal usage conditions.

10.3 Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.4 Incompatible materials

No additional information available.

10.5 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGY INFORMATION

11.1 Acute toxicity

Acute toxicity (oral):	Not classified.
Acute toxicity (dermal):	Not classified.
Acute toxicity (inhalation):	Not classified.
Skin corrosion/irritation:	Not classified.
Serious eye damage/irritation:	Not classified.
Respiratory or skin sensitisation:	Results based on in vivo studies on laboratory animals determined that Trimethoxyvinylsilane (VTMO) has been classified for skin sensitization category 1B (H317) under Annex VI to Regulation (EC) No 1272/2008. Evidence acquired from testing conducted on the materials we use in our products has demonstrated that no allergic reactions have been reported after occupational exposure in VTMO mixtures of up to 5%. Due to lack of evidence of any sensitizing potential at this concentration or less, this product has not been classified as H317 1B as determined by expert judgement.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
STOT-single exposure:	Not classified.
STOT-repeated exposure:	Not classified.

trimethoxyvinylsilane (2768-02-7)	
NOAEL (oral, rat, 90 days)	62.5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard - not classified

trimethoxyvinylsilane (2768-02-7)	
Viscosity, kinematic	0.7 mm^2/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm^2/s)'

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity effects

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not rapidly degradable.

trimethoxyvinylsilane (2768-02-7)	
LC50 - Fish [1]	>92.2 mg/l Test organisms (species): Oryzias latipes
EC50 - Crustacea [1]	168.7 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	>957 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
LOEC (chronic)	52.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	28.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulation

No additional information available.

12.4 Mobility in soil/Release to waters

No additional information available.

12.5 Disposal considerations

Dispose of contents/container in accordance with licensed collector's sorting instructions.

13. TRANSPORT INFORMATION

For road, marine and air transport this product is not classified as dangerous goods within the contract of National Transport Regulations.

UN. No.	Not allocated
Shipping Name	Not applicable
Class	Not classified as dangerous goods
Subsidiary Risk	Not classified as dangerous goods
Packaging Group	Not applicable
Hazchem Code	Not applicable
EPG	Not applicable
Segregation	Not applicable

14. REGULATORY INFORMATION

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

14.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions.

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances.

REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list.

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

14.1.2. National regulations

No additional information available

15. OTHER INFORMATION

15.1 Date of Preparation

18.07.2023

15.2 Date of Revision

25.03.2024

15.3 Reasons for Issue

New Information: SDS's are updated frequently. Please ensure you have the current copy. This SDS summaries at the date of issue our best knowledge of health and safety hazard information of the product, and in particular how to handle and use the product in the workplace. Since Premier Sealant Systems Ltd cannot anticipate or control the conditions under which the product may be Using each user must, prior to usage, review this SDS in the context to use and handling of the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Premier Sealant Systems Ltd. Our responsibility for the product as sold is subject to our standard terms and conditions, a copy of which is sent to our customer and is also available upon request.

15.4 Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified

vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties
Full text of H- and EUH-statements:	
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
EUH208	Contains trimethoxyvinylsilane(2768-02-7), 3-(2-Aminoethylamino)propyltriethoxysilane(5089-72-5). May produce an allergic reaction.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
Full text of H- and EUH-statements:	
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2