

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

EVE SAFETY DATA SHEET

- 1.1 Product Identifier:** SILOXAEVEBR
Product form: Mixture
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Relevant uses: Sealant
Main use category: Professional use
Uses advised against: No additional information available
- 1.3 Details of the supplier of the safety data sheet**
Siloxa Building Chemicals
The Office
Three Pillars Business Park
Sutton-in-the-Isle
Cambridgeshire
CB6 2RU
- 1.3 Emergency telephone number:** 07970287971

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:**
CLP Regulation (EC) n° 1272/2008:

EUH-statements:
EUH208 - Contains Methyl tris-(methyl ethyl ketoximo) silane, Tetrakis(methylethylketoximino)silane, 3-aminopropyltriethoxysilane, 3-(2-aminoethylamino)propyltrimethoxysilane. May produce an allergic reaction.
EUH210 - Safety data sheet available on request.
- 2.3 Other hazards:**
Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:
Non-applicable

3.2 Mixture

Identification	Chemical Name/Classification		Concentration %
(CAS-No.) 64742-88-7 (EC-No.) 919-029-3 (REACH-no) 01-2119457735-29	Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics		5-10
	Regulation 1272/2008	Asp. Tox. 1: H304	
(CAS-No.) 22984-54-9 (EC-No.) 245-366-4 (REACH-no) 01-2119987100-43	Methyl tris-(methyl ethyl ketoximo) silane		0.1-2.5
	Regulation 1272/2008	Eye Irrit. 2: H319 Skin Sens.1: H317 STOT RE 2: H373	
(CAS-No.) 540-97-6 (EC-No.) 208-762-8 listed as REACH Candidate (Dodecamethylcyclohexa siloxane (D6))	Dodecamethylcyclohexasiloxaan substance		0.1-1
	PBT substance vPvB substance	Not Classified	

Specific Concentration Limits:

Name	Product Identifier	Specific Concentration Limits
Methyl tris-(methyl ethyl ketoximo) silane	(CAS-No.) 22984-54-9 (EC-No.) 245-366-4 (REACH-no) 01-2119987100-43	(3.755 =<C < 100) Skin Sens. 1, H317

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

In case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort. Showing the SDS of this product.

By inhalation:

This product is not expected to present a significant hazard under anticipated conditions of normal use. However, in case of symptoms remove the person affected from the exposure area and provide with fresh air.

By skin contact:

This product is not expected to present a significant hazard under anticipated conditions of normal use. However if a person is affected rinse skin, or shower the person affected, with plenty of cold water and mild soap.

By eye contact:

Direct contact with eyes is likely to be slightly irritating. Rinse eyes immediately and thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If eye irritation persists consult a specialist.

By ingestion:

This product is not expected to present a significant hazard under anticipated conditions of normal use. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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

Acute and delayed effects are indicated above and in sections 2 and 11.

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

No additional information available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Product is non-flammable under normal conditions of storage, manipulation and use. And all extinguishing media are allowed except do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture:

The product is not flammable.

5.3 Advice for firefighters:

In case of fire do not breathe fumes from fires or vapours from decomposition. Wear a self-contained breathing apparatus when firefighting. Evacuate unnecessary personnel. Exercise caution when fighting any chemical fire. Cool down the containers exposed to heat with a water spray.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. Do not allow run-off from firefighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

General measures: Do not touch or walk on the spilled product. Avoid contact with skin, eyes and clothing. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Material spilled on hard surface can present a serious slipping/falling hazard.

6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip clean-up crew with proper protection. Equip rescue crew with proper protection.

6.2 Environmental precautions:

Avoid release to the environment. Do not allow run-off into drains or water courses.

6.3 Methods and material for containment and cleaning up:

For containment: Collect spillage.

Methods for cleaning up: Cover spill with non-combustible material, e.g. sand, earth, vermiculite. Sweep or shovel spills into appropriate container for disposal.

6.4 Reference to other sections:

No additional information available.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety procedures.

Avoid contact with skin, eyes and clothing.

Handling temperature: 5-40°C

Hygiene measures: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical Measures for Storage

Minimum Temperature: 5°C

Maximum Temperature: 25°C

Maximum storage period : 12 months

B.- General Conditions for Storage:

Store in dry, well-ventilated area.

7.3 Specific end use(s):

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

No additional information available.

8.2 Exposure controls:

Appropriate engineering controls:


Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal protective equipment:

Gloves, safety glasses


Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation


Pictogram	Device	Filter Type	Condition	Standard
	Gas Mask	ABEK	If conc. In air > exposure limit. Long term exposure	

Hand protection:

In case of repeated or prolonged contact wear gloves. Time of penetration is to be checked with the glove producer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear.

Pictogram	Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Disposable gloves	Nitrile rubber(NBR)	3 (>60 minutes)	> 0.3		EN ISO 374

Eye protection:

Pictogram	Type	Use	Characteristics	Standard
	Safety glasses	Droplet	With side shields	EN 166

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use.

Environmental exposure controls:

Do not allow to enter into surface water or drains.

Consumer exposure controls:

Avoid contact with skin and eyes.

Other information:

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

Additional measures:

Immediately take off all contaminated clothing. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking, and when leaving work.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state	: Liquid
Appearance	: Paste.
Colour	: According to product specification-anthracite, bright white or translucent.
Odour	: Characteristic.
Odour Threshold	: Not available

Volatility:

Boiling point at atmospheric pressure:	Not available
Vapour pressure:	Not available
Evaporation rate:	Not available

Product description:

Density: 1.4g/ml

Siloxa Building Chemicals, The Office, Three Pillars Business Park, Station Road, Sutton-in-the-Isle, Cambridgeshire CB6 2RU
siloxa.co.uk

Relative density:	Not available
Dynamic viscosity:	Not available
Kinematic viscosity:	Not available
Concentration:	Not available
pH:	Not available
Vapour density:	Not available
Partition coefficient n-octanol/water:	Not available
Solubility in water:	Not available
Solubility properties:	Not available
Decomposition temperature:	Not available
Melting point/freezing point:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available

Flammability:	
Flash Point:	Not available
Flammability (solid, gas):	Not available
Autoignition temperature:	Not available
Lower flammability limit:	Not available
Upper flammability limit:	Not available

Explosive:	
Lower explosive limit:	Not available
Upper explosive limit:	Not available

9.2 Other information:

Surface tension:	Not available
Refraction index:	Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No dangerous reactions known under normal conditions of use.

10.2 Chemical stability:

Stable under normal conditions.

10.3 Possibility of hazardous reactions:

None under normal conditions.

10.4 Conditions to avoid:

Moisture. Heat.

10.5 Incompatible materials:

No additional information available.

10.6 Hazardous decomposition products:

None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Identification	Acute toxicity		Genus
Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	LD50 oral	2463 mg/kg (OECD 401 method)	Rat
	LD50 dermal	> 2000 mg/kg (OECD 402 method)	Rat

Polydimethylsiloxaan (63148-62-9)	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	>2008 mg/kg	Rat
Calcium/ Magnesium Carbonate (16389-88-1)	LD50 oral	>5000 mg/kg	Rat
Pyrogenic micro-dispersed silica, synthetic X-ray amorphous silicon dioxide (112945-52-5)	LD50 oral	>5000mg/kg	Rat
	LD50 dermal	5000 mg/kg	Rabbit
	LC50 inhalation (Dust/Mist - mg/l/4h)	> 0.139 mg/l/4h	Rat
Dodecamethylcyclohexasiloxaan (540-97-6)	LD50 oral	>2000 mg/kg	Rat
	LD50 dermal	>2000 mg/kg	Rat
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	LD50 oral	5000 mg/kg (OECD 401 method)	Rat
	LD50 dermal	3160 mg/kg (OECD 402 method)	Rabbit

Skin corrosion/irritation : Not classified.
 Serious eye damage/irritation : Not classified.
 Respiratory or skin sensitisation : Not classified.
 Germ cell mutagenicity : Not classified.
 Carcinogenicity : Not classified.
 Reproductive toxicity : Not classified.

Identification		
Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	NOAEL (animal/male, F0/P)	>= 250 mg/kg (OECD 422 method)
	NOAEL (animal/female, F0/P)	>= 250 mg/kg (OECD 422 method)
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	NOAEL (animal/male, F0/P)	> 1000 mg/kg (OECD 415 method)
	NOAEL (animal/male, FI)	> 1000 mg/kg (OECD 414 method)

STOT-single exposure : Not classified
 STOT-repeated exposure : Not classified

Identification		
Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	LOAEL (oral, rat, 90 days)	50 mg/kg bodyweight/day
	NOAEL (subacute, oral, animal/male, 28 days)	10 mg/kg bodyweight (OECD 422 method)
Dodecamethylcyclohexasiloxaan (540-97-6)	LOAEL (oral, rat, 90 days)	≈ 1000 mg/kg bodyweight/day
	LOAEC (inhalation, rat, gas, 90 days)	10 ppmv/6h/day
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	NOAEL (oral, rat, 90 days)	> 5000 mg/kg bodyweight/day (OECD 408 method)

Aspiration hazard : Not classified.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Acute aquatic toxicity : Not classified
 Chronic aquatic toxicity : Not classified

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	LC50 fish 1	> 120 mg/l Oncorhynchus mykiss (Rainbow trout)
	LC50 fish 2	972.34 mg/l (OECD 203 method)
	EC50 Daphnia I	231.84 mg/l (OECD 202 method)
	EC50 72h algae (I)	18.45 mg/l (OECD 201 method)
	ErC50 (algae)	72h 94 mg/l Pseudokirchneriella subcapitata
	NOEC (acute)	57.67 mg/l (OECD 204 method)
	NOEC (chronic)	>= 115.34 mg/l (OECD 211 method)
	NOEC chronic fish	57.67 mg/l

Pyrogenic micro-dispersed silica, synthetic X-ray amorphous silicon dioxide (112945-52-5)	LC50 fish I	> 10000 mg/l Brachydanio rerio (zebra-fish)
	EC50 Daphnia I	> 10000 mg/l

Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	LC50 fish I	> 1028 mg/l (OECD 203 method)
	EC50 Daphnia I	> 3000 mg/l
	EC50 72h algae (I)	> 10000 mg/l
	NOEC chronic fish	> 1000 mg/l
	NOEC chronic crustacea	1000 mg/l

12.2 Persistence and degradability:

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	Biodegradation	28d 0 % (OECD 301A method)
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Dodecamethylcyclohexasiloxaan (540-97-6)	Persistence and degradability	Not readily biodegradable.
	Biodegradation	4.5 % (OECD 310 method)

Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	Persistence and degradability	Readily biodegradable.
	Biodegradation	74 % (OECD 306 method)

12.3 Bioaccumulative potential:

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	Log Pow	9.83
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Dodecamethylcyclohexasiloxaan (540-97-6)	Log Pow	8.87
	Log Kow	8

12.4 Mobility in soil:

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	Log Koc	5.481 EPA (Environmental Protection Agency)
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Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	Surface Tension	≈ 28 mN/m at 25 °C
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12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria.

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Dodecamethylcyclohexasiloxaan (540-97-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 Other adverse effects:

No additional information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Regional legislation (waste)	Disposal must be done according to official regulations.
European List of Waste (LoV) Code	08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR

14.1 UN Number

ADR	
UN Number	Not applicable

14.2 UN Proper shipping Name

ADR	
UN proper shipping name	Not applicable

14.3 Transport hazard class(es)

ADR	
Transport hazard classes	Not applicable

14.4 Packing Group

ADR	
Packing group	Not applicable

14.5 Environmental Hazard

ADR	
14.5. Environmental hazard	Dangerous for the environment : No

No supplementary information available

14.6 Special precautions for user

Overload transport: No data available

14.7 Transport in bulk according to Annex IT of Marpol and 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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

Reference Code	Applicable on	Entry title or description
3	2-Pentanoxim ; 2-Pentanone, O,O',O''-(methylsilyldiyl)trioxime ; Methyl tris-(methyl ethyl ketoximo) silane ; Tetrakis(methylethylketoximino)silane ; 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime ; 3-aminopropyltriethoxysilane ; ethanol; ethyl alcohol ; Silicic acid, tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane ; Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics ; methanol ; 3-(2-aminoethylamino)propyltrimethoxysilane ; N,N'-bis-(3-(trimethoxysilyl)propyl)-1,2-ethanediamine ; N,N-bis[3-(trimethoxysilyl)propyl]-1,2-ethanediamine ; 1-(2-aminoethyl)-2,2-dimethoxy-1-aza-2-silacyclopentane ; vinyltrimethoxysilane ; octhilinone (ISO); 2-octyl-2H-isothiazol-3-one	Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008
3(a)	ethanol; ethyl alcohol ; Silicic acid, tetraethyl ester, reaction products with	Substances or mixtures fulfilling the criteria for any of the following

	bis(acetyloxy)dibutylstannane ; methanol ; vinyltrimethoxysilane	hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	2-Pentanoxim ; 2-Pentanone, O,O',O''-(methylsilylidyne)trioxime ; Methyl tris-(methyl ethyl ketoximo) silane ; 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime ; 3-aminopropyltriethoxysilane ; Bis(triethoxysilylpropyl)amine ; N-(3-triethoxysilylpropyl)-aza-2,2-diethoxy-2-silacyclopentane ; Silicic acid, tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane ; Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics ; methanol ; 3-(2-aminoethylamino)propyltrimethoxysilane ; N,N'-bis-(3-(trimethoxysilyl)propyl)-1,2-ethanediamine ; N,N-bis[3-(trimethoxysilyl)propyl]-1,2-ethanediamine ; 1-(2-aminoethyl)-2,2-dimethoxy-1-aza-2-silacyclopentane ; vinyltrimethoxysilane ; octhilinone (ISO); 2-octyl-2H-isothiazol-3-one	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	2-Pentanoxim ; Silicic acid, tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane ; 3-(2-aminoethylamino)propyltrimethoxysilane ; octhilinone (ISO); 2-octyl-2H-isothiazol-3-one	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	Tetrakis(methylethylketoximino)silane ; ethanol; ethyl alcohol ; Silicic acid, tetraethyl ester, reaction products with bis(acetyloxy)dibutylstannane ; methanol ; vinyltrimethoxysilane	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

Contains a substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit: Dodecamethylcyclohexasiloxane (D6) (EC208-762-8, CAS 540-97-6)

Contains no REACH Annex XIV substances

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. Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

No additional information available

15.2 Chemical safety assessment:

Not applicable

SECTION 16: OTHER INFORMATION

Full text of H- and EUH-statements:

Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
EUH208	Contains Methyl tris-(methyl ethyl ketoximo) silane, Tetrakis(methylethylketoximino)silane, 3-aminopropyltriethoxysilane, 3-(2-aminoethylamino)propyltrimethoxysilane. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

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.