

N SAFETY DATA SHEET

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

1.1 Product Identifier: SILOXAN

Product form: Mixture

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

Use of the substance/mixture: Sealant

Main use category: Professional use

Uses advised against: No additional information available

1.2 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 CLP Regulation (EC) No. 1272/2008**

Not classified

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:**CLP Regulation (EC) No. 1272/2008**

EUH-statements

EUH210 - Safety data sheet available on request.

EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. (Except for transparent product).

2.3 Other hazards:

The product does not meet the PBT and vPvB classification criteria

Contains no PBT/vPvB substances $\geq 0.1\%$ 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 at a concentration equal to or greater than 0,1 %

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture

Chemical composition: Mixture composed of chemical products

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	EC: 934-956-3 REACH: 01-2119827000-58	≥ 25 – < 50	Asp. Tox. 1, H304
2-pentanone,O,O',O''-(methylsilylidyne)trioxime	CAS: 37859-55-5 EC: 484-460-1 REACH: 01-2120004323-76	≥ 1 – < 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Irrit. 2, H319

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

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

First-aid measures general: If you feel unwell, seek medical advice.

By inhalation:

Remove person to fresh air and keep comfortable for breathing. Respiratory problems: consult a doctor/medical service.

By skin contact:

Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

By eye contact:

Rinse eyes with water as a precaution. Remove contact lenses, if present and easy to do.

Continue rinsing. Consult an ophthalmologist if irritation persists.

By ingestion:

Rinse mouth out with water. Get medical advice/attention 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.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture:

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3 Advice for firefighters:

Siloxa Building Chemicals, The Office, Three Pillars Business Park, Station Road, Sutton-in-the-Isle, Cambridgeshire CB6 2RU
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Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1. For non-emergency personnel

Emergency procedures: Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment :

Do not attempt to take action without suitable protective equipment.

For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions:

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up:

Methods for cleaning up:

Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

Other information:

Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections:

For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Comply with the current legislation concerning the prevention of industrial risks.

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

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

7.2 Conditions for safe storage, including any incompatibilities:

Storage conditions: Store in a dry area. Store at room temperature. Store in a well-ventilated place.

Maximum storage period: 1 year

Packaging materials: Synthetic material.

7.3 Specific end use(s):

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

2-pentanone,O,O',O''-(methylsilylidyne)trioxime (37859-55-5)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	0.624 mg/kg bodyweight/day
Acute - systemic effects, inhalation	2.205 mg/m ³
Long-term - systemic effects, dermal	0.065 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.229 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	0.375 mg/kg bodyweight/day

Acute - systemic effects, inhalation	0.65 l mg/m ³
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2-pentanone,O,O',O''-(methylsilyldiylne)trioxime (37859-55-5)

Acute - systemic effects, oral	0.375 mg/kg bodyweight/day
Long-term - systemic effects, oral	0.033 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.057 mg/m ³
Long-term - systemic effects, dermal	0.033 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.1 mg/l
PNEC aqua (marine water)	0.01 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.569 mg/kg dwt
PNEC sediment (marine water)	0.057 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.044 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	2.15 mg/l

8.2 Exposure controls:

8.2.1. Appropriate engineering controls Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection Eye protection:

Safety glasses

8.2.2.2. Skin protection Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls Environmental exposure controls:

Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Physical state: Liquid

Colour: Variable.

Appearance: Pasty.

Odour : characteristic.

Odour threshold: Not available
 Melting point : Not applicable
 Freezing point : Not available
 Boiling point : Not available
 Flammability : Not applicable
 Explosive limits: Not available
 Lower explosion limit :Not available
 Upper explosion limit :Not available
 Flash point : > 100 °C
 Auto-ignition temperature: Not available
 Decomposition temperature: Not available
 pH: Not available
 Viscosity, kinematic: > 20.5 mm²/s (40°C)
 Solubility:Not available
 Partition coefficient n-octanol/water (Log Pow): Not available
 Vapour pressure: Not available
 Vapour pressure at 50°C: Not available
 Density: 0.956 (20°C)
 Relative density: Not available
 Relative vapour density at 20°C: Not available
 Particle characteristic: Not applicable

9.2 Other information:

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : 0.0082-0.122 %

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

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

10.2 Chemical stability:

Stable under normal conditions.

10.3 Possibility of hazardous reactions:

No dangerous reactions known under normal conditions of use..

10.4 Conditions to avoid:

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

10.5 Incompatible materials:

No additional information available

10.6 Hazardous decomposition products:

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

SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity (oral): Not classified

Acute toxicity (dermal):Not classified

Acute toxicity (inhalation):Not classified

hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	
LD50 oral rat	> 5000 mg/kg (OECD 401 (Acute Oral Toxicity))
LD50 dermal rabbit	> 3160 mg/kg (OECD 402 (Acute Dermal Toxicity))

LC50 Inhalation - Rat	> 5266 mg/l/4h (OECD 403 (Acute Inhalation Toxicity))
2-pentanone,O,O',O''-(methylsilyldiylne)trioxime (37859-55-5)	
LD50 oral rat	1234 mg/kg (OECD 425 (Acute Oral Toxicity: Up-and-Down Procedure))
LD50 dermal rat	> 1782 (EU method B.3 (Acute Toxicity Dermal))

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

2-pentanone,O,O',O''-(methylsilyldiylne)trioxime (37859-55-5)	
NOAEL (oral, rat, 90 days)	15 mg/kg bodyweight (Animal: rat, Guideline: OECD 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test))

Aspiration hazard: Not classified

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Viscosity, kinematic	> 20.5 mm ² /s (40°C)

11.2. Information on other hazards

No additional information available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute): Not Classified
 Hazardous to the aquatic environment, long-term (chronic): Not Classified
 Not rapidly degradable

2-pentanone,O,O',O''-(methylsilyldiylne)trioxime (37859-55-5)	
LC50 - Fish [1]	> 113 mg/l (OECD203; Test organisms (species): Oncorhynchus mykiss; 96h)
EC50 - Crustacea [1]	> 113 mg/l (OECD202; Test organisms (species): Daphnia Magna; 48h)
ErC50 algae	88 mg/l (OECD201; Test organisms (species): Pseudokirchneriella subcapitata; 72h)

12.2 Persistence and degradability:

hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics
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Biodegradation	74 % (OECD 306: Biodegradability in seawater; closed bottle test; 28d)
2-pentanone,O,O',O''-(methylsilyldiylne)trioxime (37859-55-5)	
Biodegradation	1 % (OECD 301B (CO2 Evolution Test); 28d)

12.3 Bioaccumulative potential:

2-pentanone,O,O',O''-(methylsilyldiylne)trioxime (37859-55-5)	
Partition coefficient n-octanol/water (Log Pow)	1.25
Bioaccumulative potential	Bioaccumulation unlikely.

12.4 Mobility in soil:

No additional information available

12.5 Results of PBT and vPvB assessment:

The product does not meet the PBT and vPvB classification criteria

12.6 Other adverse effects:

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Regional legislation (waste): Non hazardous waste.

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations: Do not discharge into drains or the environment.

Ecology - waste materials: Avoid release to the environment.

European List of Waste (LoV) code : 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09

15 01 02 - plastic packaging

SECTION 14: TRANSPORT INFORMATION

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

Overland transport
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

Inland waterway transport
Not applicable

Rail transport
Not applicable

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:

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
3(b)	hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics ; 2-pentanone,O,O',O''-(methylsilylidyne)trioxime	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

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List $\geq 0.1\%$ /SCL

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.

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.

VOC content: 0.0082-0.123%

15.1.2. National regulations

No additional information available

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out

SECTION 16: 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
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
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

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
EUH210	Safety data sheet available on request.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. (Except for black/brown/transparent product)
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H319	Causes serious eye irritation.

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.