

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:

Product form : Mixture
Product name : SILOXAN
UFI : DS30-5022-900F-H706
Product code : SILOXAN Bright White and Transparent

1.2 Relevant identified uses of the substance or mixture and uses advised against:**1.2.1 Relevant identified uses**

Intended for general public

Main use category : Consumer use, Professional use
Use of the substance/mixture : Adhesives, Sealants

1.2.2. 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

1.4 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]

Skin sensitisation, Category 1 H317

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

Adverse physicochemical, human health and environmental effects

May cause an allergic skin reaction

2.2 Label elements:

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

Contains : Butane-2-one-O,O',O''-(methylsilyldyn)trioxime; octhilinone (ISO); 2-octyl-2H-isothiazol-3-one; N-(3-(trimethoxysilyl)propyl)ethylenediamine

Hazard statements (CLP) : H317 - May cause an allergic skin reaction.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.

P280 - Wear protective gloves, protective clothing, eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3 Other hazards:

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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Butene, homopolymer	CAS-No.: 9003-29-6 EC-No.: 500-004-7 REACH-no: 01-2119493067-32	$\geq 1 - < 10$	Skin Irrit. 2, H315 Asp. Tox. 1, H304
Distillates (Fischer-Tropsch), heavy, branched(C=18~50), cyclic and linear	CAS-No.: 848301-69-9 EC-No.: 482-220-0 REACH-no: 01-0000020163-82	< 10	Asp. Tox. 1, H304
Butane-2-one-O,O',O''-(methylsilyldyn)trioxime	CAS-No.: 22984-54-9 EC-No.: 245-366-4	$\geq 1 - < 10$	Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 2, H373
N-(3-(trimethoxysilyl)propyl)ethylenediamine	CAS-No.: 1760-24-3 EC-No.: 217-164-6 REACH-no: 01-2119970215-39	< 100	Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT SE 3, H335
octhilinone (ISO); 2-octyl-2H-isothiazol-3-one	CAS-No.: 26530-20-1 EC-No.: 247-761-7 EC Index-No.: 613-112-00-5	< 1	Acute Tox. 2 (Inhalation), H330 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:

Name	Product identifier	Specific concentration limits
octhilinone (ISO); 2-octyl-2H-isothiazol-3-one	CAS-No.: 26530-20-1 EC-No.: 247-761-7 EC Index-No.: 613-112-00-5	(0.0015 \leq C \leq 100) Skin Sens. 1A, H317

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 after inhalation : Remove people to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing.
If skin irritation or rash occurs : Get medical advice/attention.
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:

Symptoms/effects after inhalation : May cause respiratory irritation.
Symptoms/effects after skin contact : May cause an allergic skin reaction.
Symptoms/effects after eye contact : Causes eye irritation.
Symptoms/effects after ingestion : May cause irritation to the digestive tract.

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:

Explosion hazard : No direct explosion hazard.
Reactivity in case of fire : Product is not explosive.
Hazardous decomposition products in case of fire : Toxic fumes may be released

5.3 Advice for firefighters:

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: Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing fume, gas, vapors

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 : Take up liquid spill into absorbent material.
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:

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid

breathing fume, gas, vapours. Wear personal protective equipment.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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 well-ventilated place. Keep cool.

7.3 Specific end use(s):

Building and construction work.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2 Recommended monitoring procedures

No additional information available

8.1.3 Air contaminants formed

No additional information available

8.1.4 DNEL and PNEC

No additional information available

8.1.5 Control banding

No additional information available

8.2 Exposure controls:

8.2.1. Appropriate engineering controls Appropriate engineering controls:

Ensure good ventilation of the workstation.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection Eye protection:

Eye protection			
Type	Field of application	Characteristics	Standard
Safety goggles	Droplet		

8.2.2.2Skin protection Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)				

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	: Various colours.
Appearance	: Paste.

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	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Immiscible with water.
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	: 1.1 – 1.3
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

9.2 Other information:

9.2.1 Information about physical hazard classes

No additional information available

9.2.2 Other safety characteristics

No additional information available ON 10: STABILITY AND REACTIVITY

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

Butane-2-one-O,O',O''-(methylsilyldyn)trioxime (22984-54-9)	
LD50 oral rat	2463 mg/kg
LD50 dermal rat	> 2000 mg/kg

Distillates (Fischer-Tropsch), heavy, branched(C=18~50), cyclic and linear (848301-69-9)	
LD50 oral rat	> 2000 mg/kg Source: ECHA
LD50 dermal rat	> 2000 mg/kg Source: ECHA
N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)	
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Remarks on results: other:

Skin corrosion/irritation : Not classified
 Serious eye damage/irritation : Not classified
 Respiratory or skin sensitisation : May cause an allergic skin reaction.
 Germ cell mutagenicity : Not classified
 Carcinogenicity : Not classified
 Reproductive toxicity : Not classified
 STOT-single exposure : Not classified

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Butane-2-one-O,O',O''-(methylsilyldyn)trioxime (22984-54-9)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Butene, homopolymer (9003-29-6)	
LOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: other:
NOAEC (inhalation, rat, vapour, 90 days)	1 mg/l air Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)	
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (dermal, rat/rabbit, 90 days)	≥ 1545 mg/kg bodyweight Animal: rat

Aspiration hazard : Not classified

Butene, homopolymer (9003-29-6)	
Viscosity, kinematic	4.25 mm²/s
Hydrocarbon	Yes
N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)	
Viscosity, kinematic	3.1 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)'

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

Distillates (Fischer-Tropsch), heavy, branched(C=18~50), cyclic and linear (848301-69-9)

LC50 - Fish [1] > 100 mg/l Source: ECAH

EC50 72h - Algae [1] > 100 mg/l Source: ECAH

12.2 Persistence and degradability:

No additional information available

12.3 Bioaccumulative potential:

Distillates (Fischer-Tropsch), heavy, branched(C=18~50), cyclic and linear (848301-69-9)

Partition coefficient n-octanol/water (Log Pow) > 6

12.4 Mobility in soil:

No additional information available

12.5 Results of PBT and vPvB assessment:

No additional information available

12.6 Other adverse effects:

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

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

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 regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

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)

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(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

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

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes version of	Modified	
	Revision date	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Hazard statements (CLP)	Modified	

Full text of H- and EUH-statements:	
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1

Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.