SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identification:

Product name:	Silicone ASSYST 181
UFI:	VAD5-40AQ-4002-EUKH

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

Usage:	Modelling.
Uses advised against:	Not known.

1.3 Details of the supplier of the safety data sheet:

Responsible distributor :	ASSYST bvba / A.S.O.W. bvba Hellegatstraat 13a 2590 Berlaar Belgium Tel: +32 495 50 61 14 / +32 496 83 70 27 Website: www.assyst.org / www.artsuppliesonweb.com Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency phone number:

For Belgium:	Call the **Poison Control Centre (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.
NHS 24 Direct	For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to directive (EC) No 1272/2008 and its amendments.

The product is classified according to current legislation.

Classification in accordance with Regulation (EC) No 1272/2008 as amended.

Health hazards:

Specific Target Organ Toxicity - Repeated Exposure Category 1 H372: Causes damage to organs on prolonged or repeated exposure.

2.2 Labelling elements:

Labelling according to regulation (EC) No 1272/2008 [CLP/GHS]:

Contains:

- ✓ Quartz (SiO2)

Additional labelling information:

EUH210: Safety data sheet available on request.

UFI: VAD5-40AQ-4002-EUKH

2.3 Other hazards:

Physical Hazards:

No specific recommendations.

Health hazards:

Inhalation:

Quartz/cristobalite : Polymer encapsulated wood fibres do not normally endanger health under normal processing conditions. Although classified according to EC criteria, this product does not have to be labelled according to Article 23 of Annex 1 (section 1.3.4.1) of Directive n°1272/2008.

Eye contact:

No specific symptoms listed.
Skin contact:
No specific symptoms listed.
Ingestion:
No specific symptoms listed.
Other health implications:
No other information given.
Environmental hazards:
No hazard is known as the maximum bioavailability of Octamethylcyclotetrasiloxane (D4) is lower than the threshold value (see Section 12 of this safety data sheet).
Results of PBT and vPvB assessment:
This substance/mixture contains components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).
Endocrine disruption - Health:
The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.
Endocrine disruption - Environment:
The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.
Other dangers:
No other information given.

SECTION 3: Composition and information on ingredients

3.2 Mixture:

General information:
Mixture of polyorganosiloxane, filler.
Hazardous component(s):

Chemical name	Concentration *	Type	CAS no. EC no. REACH registration number	Comments
Quartz (SiO2)	10 - <20%	Component	14808-60-7 238-878-4 Exempt	#
silaneamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica	10 - <20%	Component	68909-20-6 272-697-1 Exempt	
Octamethylcyclotetrasiloxane	0,01 - <0,079%	Impurities	556-67-2 209-136-7 Not relevant.	# ## PBT, vPvB

* All concentrations are expressed as weight percent unless the constituent is a gas. Gas concentrations are expressed as percent by volume.
# One or more occupational exposure limit values have been established for this substance.
This substance is listed as a substance of very high concern (SVHC).
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.
ED: Endocrine disruptor
Classification:

Chemical name	Classification	Specific concentration limit / ATE / M-factors:	Comments
Quartz (SiO2)	STOT RE 1 H372;		

silaneamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica	STOT RE 2 H373; EUH066;		
Octamethylcyclotetrasiloxane	Flam. Liq. 3 H226; Repr. 2 H361f; Aquatic Chronic 1 H410;	Aquatic toxicity (acute): 1 Aquatic toxicity (chronic): 10	

The full text of all H-phrases is shown in Section 16.
Particle characteristics:
silaneamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica

Assessment:	This substance/mixture contains nanoforms ;
Particle size:	1 - 100 nm

SECTION 4: First aid measures

General information:
Move into fresh air and let it rest.
Remove and wash contaminated clothing before reuse.
Seek medical attention immediately.

4.1 Description of first-aid measures:

Inhalation:
In case of inhalation: Get the person into fresh air and let him/her rest.
Seek medical attention immediately.
If breathing is difficult, oxygen should be administered by authorised personnel.
In case of respiratory arrest, apply artificial respiration.

Skin contact:
Remove contaminated clothing and shoes.
Wash skin with soap and water.
Seek medical attention if symptoms occur.
Wash contaminated clothes before reusing them.

Eye contact:
In case of contact with the eyes, rinse them thoroughly with clean water for at least 15 minutes.
Seek medical attention if symptoms occur.

Ingestion:
Do not induce vomiting.
Clean the mouth thoroughly with water.
Seek medical attention if symptoms occur.

Personal protection for first responders:
First responders must protect themselves and must wear the recommended protective clothing (chemical-resistant gloves, splash protection).
Refer to Sections 5 and 8 for information on emergency procedures and protective equipment.

4.2 Main acute and delayed symptoms and effects:

Important symptoms and effects are described in Section 11 (Toxicological information) of this safety data sheet.

4.3 Indication of immediate medical attention and special treatment required:

Medical information:
No specific recommendations.
Show this Safety Data Sheet to the attending physician.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing agents:
Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media:
Avoid water in direct jet from fire hose; this spreads the fire and fuels it.

5.2 Special hazards arising from the substance or mixture:
Product burns if exposed to open flame.
Thermal decomposition or combustion can release carbon oxides, silicon oxides and other toxic gases or vapours.
5.3 Advice for firefighters:
Special firefighting procedures:
Apply standard fire-fighting procedures and take into account the hazards that may be posed by the other materials involved.
If this can be done safely, undamaged packages should be removed from the fire zone.
Evacuate to a safe location and alert emergency services
Water spray should be used for cooling containers/containers/packaging.
Contaminated firewater should be collected and disposed of separately.
This should not end up in drains or surface water.
Special protected equipment for firefighters:
In case of fire, wear self-contained breathing apparatus and full protective clothing.

SECTION 6: Measures in case of accidental release of the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment.
See Section 8 for personal protective equipment.
6.2 Environmental precautions:
Clean up leaks/spills.
Do not discharge to sewer, soil or aquatic environment.
6.3 Methods and materials for containment and cleaning:
Containers/containers with collected spill must be labelled in the prescribed manner with the designation of the contents and the appropriate hazard symbol.
Packaging must remain tightly closed.
Absorb with sand or other inert absorbent material.
To clean the floor and all objects soiled with this material, use a suitable solvent (see also § 9).
Rinse area with abundant water.
Burn in suitable incinerator.
6.4 Reference to other sections:
Note: Contaminated surfaces may be slippery.
See Section 13 of the safety data sheet for information on disposal.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling of the substance or mixture:
Precautions:
Avoid inhalation of vapours/propellant/dust and contact with skin and eyes.
Ensure adequate ventilation, including suitable local exhaust ventilation, so that the established occupational exposure limit is not exceeded.
If ventilation is insufficient, suitable respiratory protection should be provided.
See Section 8 for personal protective equipment.
Make sure eye wash and safety showers are present and the way to them is clearly signposted.
Limit the quantity of the product within the work zone to that required for the work to be performed.
Act in accordance with good industrial hygiene and safety practices.
Handle and open packaging carefully.
Protect against contamination.
Do not mix with incompatible materials.
For further information, see section 10 : "Stability and Reactivity".
Avoid spills, waste and reduce the release of this product into the environment to the strict minimum.
In case of spills: be careful of slippery floors and surfaces.

Hygiene measures:
Observe good personal hygiene at all times: wash up after handling the substance and before eating, drinking and/or smoking.
Wash work clothes and protective equipment regularly to remove contaminants.
Contaminated work clothes must not leave the work area.
7.2 Conditions for safe storage, including incompatibilities:
Store in accordance with local/regional/national regulations.
Avoid discharge into sewers, waterways and soil.
Equipped with an impermeable bottom.
Store in a dry place.
Store in a well-ventilated place.
Keep in tightly closed container.
Store in properly labelled containers.
Keep temperature above freezing point of chemical product.
Protect against material damage and/or friction.
Keep away from incompatible substances.
For further information, see section 10 : "Stability and Reactivity".
Commonly used packaging at our sites:
Polyethylene.
Steel vessel with plastic lining.
7.3 Specific end use:
No specific recommendations.
See the technical data sheet of this product for more information.

SECTION 8: Exposure controls/personal protection measures

8.1 Control parameters:
Occupational Exposure Limits:
Quartz/cristobalite : Polymer-encapsulated wood fibres do not normally endanger health under normal processing conditions.
Quartz (SiO2)

Type	Exposure limits	Source	Date	Comment
TWA	- 0.1 mg/m3	OEL (BE)	06 2007	respirable dust
TWA	- 0.1 mg/m3	EU OELIII	12 2017	respirable fraction and dust

octamethylcyclotetrasiloxane

Type	Exposure limits	Source	Date	Comment
TWA	10 ppm 120 mg/m³	WEEL		

Monitoring methods:
Ensure that worker exposure is controlled in accordance with national and European regulations, in particular Directives 98/24/EC and 2004/37/EC.
8.2 Exposure control measures:
Appropriate Technical Measures:
Apply engineering control measures to keep concentration in air below permissible exposure limit.
The degree of protection and the nature of the measures required depend on the potential exposure conditions.
Technical control measures are always preferable to personal protective equipment.
Protective measures to be considered: Ensure adequate ventilation.
In case of insufficient ventilation: Use means to shut down the process, local exhaust ventilation, or other technical measures to keep the concentration of this product in the air below the recommended exposure limits.
Where exposure limits have not been set, keep airborne concentrations at acceptable levels.
Provide eyewash station and safety shower.
Individual protection measures, such as personal protective equipment:

Avoid inhalation of vapours/propellant/dust and contact with skin and eyes.
Personal protective equipment must be chosen in accordance with the applicable standards, adapted to the conditions in which the product is used and in consultation with the supplier of the personal protective equipment.

Eye/face protection:
Safety glasses with side shields.

Protection of Hands:
This recommendation applies only to the product specified in the safety data sheet supplied by us, and the purpose of use specified by us.
When mixing this product with other substances, contact a supplier of EC-approved safety gloves to choose the appropriate gloves.

Prolonged or repeated contact:
Material: Nitrile.
Glove thickness: 1.25 mm
Directive: EN374-3
Other information: Gloves typically used in Elkem's premises.

Brief contact:
Material: Nitrile/Neoprene
Glove thickness: 0.198 mm
Directive: EN374-3
Other information: Gloves typically used in Elkem's premises.

Skin and body protection:
Wear suitable clothing to avoid any risk of skin contact.
Isolate and wash contaminated clothing before reuse.
In case of splash hazard: wear an apron or special work clothes.

Respiratory protection:
If engineering controls are insufficient to keep airborne concentrations below the recommended exposure limits (if applicable) or at acceptable levels (in countries where no exposure limits have been set), an approved respiratory protective device must be worn.
Use the following EC-approved air-purifying respirators: respirator with combined filter of the ABEK type.
Wear respiratory protection with combination filter (dust and gas filter) during activities that may give rise to dust/gas formation.

Work environment measures:
See sections 7 and 13 of the Safety Data Sheet.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Occurrence:

Aggregation state:	liquid
Shape:	viscous
Colour:	White
Smell:	Vague
pH:	By definition, a pH measurement determines the concentration of hydrogen ions in a usually aqueous solution. Silicone products are hydrophobic and are therefore insoluble in water. Consequently, the pH value cannot be measured.
Melting point/freezing point:	No data available.
Boiling point:	No data available.
Flash point:	> 200°C / 392°F (Closed cup according to Afnor T 60103 standard).
Flammability:	No data available.

Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Vapour pressure:	No data available.
Relative vapour density:	No data available.
Evaporation rate:	No data available.
Density:	Approximately 1.12 kg/dm3 (20 °C)
Solubility:	
Solubility in water:	Practically insoluble
Solubility (other):	Acetone: Practically insoluble Alcohol: practically insoluble Diethyl ether: Dispersible Aliphatic hydrocarbons: Dispersible Aromatic hydrocarbons: Dispersible Chlorinated solvents: Dispersible
Partition coefficient (n-octanol/water):	No data available.
Self-ignition temperature:	> 400°C
Decomposition temperature:	No data available.
Viscosity, kinematic:	Approximate 35 000 mm2/s (25°C)
Particle characteristics:	Not applicable.
9.2 Other information	
Viscosity, dynamic:	Approximate 40 000 mPa.s (25°C)
Oxidising properties:	According to constituent data Not considered oxidative. (evaluation by structure/activity-re)

SECTION 10: Stability and reactivity

10.1 Reactivity:
Not exactly.
10.2 Chemical Stability:
Stable.
10.3 Potential Hazardous Reactions:
No data available.
10.4 Conditions to avoid:
No other information given.
10.5 Chemically Interacting Materials:
Strong oxidising agents.
10.6 Hazardous Decomposition Products:
Thermal decomposition or combustion may release carbon oxides and other toxic gases or vapours.
Amorphous silica.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:
Acute toxicity:
Ingestion:
Based on available data, not classified for acute toxicity.
Skin contact:
Based on available data, not classified for acute toxicity.
Inhalation:
Based on available data, not classified for acute toxicity.
Repeated-dose toxicity:
Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):

NOAEL (No Observed Adverse Effect Level): 1.82 mg/l ;
LOAEL (Lowest Observed Adverse Effect Level): 8.5 mg/l ; (Rat ; Female, Male ; Inhalation - vapour) ; Target organ(s): Kidney ; Method: Similar to OECD 453 ; Chronic exposure.
NOAEL (No Observed Adverse Effect Level): 960 mg/kg ; (Rabbit ; Female, Male ; Skin-) ; No treatment-related adverse effects were observed ; Method: Similar to OECD 410 ; Subacute exposure.

Skin corrosion/irritation:

Based on our knowledge of information related to composition:
SILANAMINE, 1,1,1-TRIMETHYL-N-(TRIMETHYLSILYL)-, HYDROLYSIS PRODUCTS WITH SILICA (68909-20-6):
Repeated exposure can cause dry or cracked skin.
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
An expert assessment has indicated that no classification is needed based on current knowledge.
Non-irritant (Rabbit) ; Method: Similar to OECD 404.

Serious Eye Injury/Eye Irritation:

Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
An expert assessment has indicated that no classification is needed based on current knowledge.
Non-irritant (Rabbit) ; Method: OECD 405.

Respiratory or skin sensitisation:

Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):

Skin sensitisation:

Skin sensitisation: No skin sensitiser. (Subject) ; Method: OECD 406.

Mutagenicity in Sex Cells:

In vitro:

Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
Back mutation test with bacteria: No mutagenic effects. (Salmonella typhimurium ; With and without metabolic activation) ; Method: OECD 471
In vitro gene mutation assay on mammalian cells: No mutagenic effects. (Mouse lymphoma cells ; With and without metabolic activation) ; Method: Similar to OECD 476
In vitro test for chromosomal aberrations in mammals: No clastogenic effect. (Oocytes of Chinese hamsters ; With and without metabolic activation) ; Method: Similar to OECD 473

In vivo:

Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
Chromosome aberration test on mammalian bone marrow: negative (Rat ; Female, Male ; Inhalation) ; Method: Similar to OECD 475
Dominant lethal test in rodents: negative (Rat ; Female, Male ; Probe feeding (oral)) ; Method: Similar to OECD 478

Carcinogenicity:

Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
Unclassified
No effects expected. NOAEC: >= 8,492 mg/l (Rat ; Female, Male ; Inhalation - vapour) ; Method: Similar to OECD 453 ; Chronic exposure.

Reproductive toxicity:

Fertility:

No effects expected (assessment based on ingredients).

Teratogenicity:

Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):

NOAEL (terato): > 8.492 mg/l ; NOAEL (mater): 3.64 mg/l (Rat ; Inhalation - vapour) ; Method: Similar to OECD 414 ; The product is not considered developmentally toxic.
NOAEL (terato): > 6.066 mg/l ; NOAEL (mater): 3.64 mg/l (Rabbit ; Inhalation - vapour) ; Method: Similar to OECD 414 ; The product is not considered developmentally toxic.
Specific Target Organ Toxicity - Single Exposure:
Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
Based on available data, the classification criteria have not been met.
Specific Target Organ Toxicity - Repeated Exposure:
Based on our knowledge of compositional information: Causes damage to organs through prolonged or repeated exposure.
QUARTZ (SIO2) (14808-60-7):
Causes organ damage on prolonged or repeated inhalation exposure.
Inhalation - dust and aerosol: Target organ(s): Lungs
SILANAMINE, 1,1,1-TRIMETHYL-N-(TRIMETHYLSILYL)-, HYDROLYSIS PRODUCTS WITH SILICA (68909-20-6):
Causes damage to organs with prolonged or repeated exposure.
Inhalation: Target organ(s): Lungs
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
Based on available data, the classification criteria have not been met.
Aspiration hazard:
Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
Based on available data, the classification criteria have not been met.
11.2 Information on other hazards:
Endocrine-disrupting properties:
No data available.
Other information:
Not known.

SECTION 12: Ecological information

General information:
The maximum leachable concentration of Octamethylcyclotetrasiloxane (D4) of the product is lower than the no-effect dose (<0.0079 mg/l) for aquatic organisms.
12.1 Toxicity:
Acute toxicity:
Fish
Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
LC 50 (Oncorhynchus mykiss; 96 h ; Circulation) : > 0.022 mg/l ; Method: According to a standardised method.
Aquatic Invertebrates:
Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
EC50 (Water flea (Daphnia magna); 48 h ; Circulation) : > 0.015 mg/l ; Method: According to a standardised method.
Aquatic plants
Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
ErC50 (Seaweed (Pseudokirchneriella subcapitat); 96 h) : > 0.022 mg/l ; Method: According to a standardised method.
ErC10 (Seaweed (Pseudokirchneriella subcapitat); 96 h) : >= 0.022 mg/l ; Method: According to a standardised method.
Toxicity to micro-organisms:

Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
EC50 (3 h) : > 10 000 mg/l
Chronic toxicity:
Fish
Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
NOEC (Oncorhynchus mykiss; 93 d ; Circulation) : >= 0.0044 mg/l ; Method: According to a standardised method.
Aquatic Invertebrates:
Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
NOEC (Water flea (Daphnia magna); 21 d ; Circulation) : >= 0.015 mg/l ; Method: According to a standardised method.
12.2 Persistence and Degradability:
Biodegradation:
Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
3.7 % (activated sludge and sewage, sludge ; 28 d) ; Method: OECD 310 ; This product is not considered to be readily biodegradable.
BOD/COD ratio:
No data available.
12.3 Bioaccumulation:
Bioconcentration factor (BCF)
Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
Bioconcentration factor (BCF): 14 900 (Pimephales promelas) ; Method: OECD 305 ; Not bioaccumulated based on depuration rate constant
Partition coefficient (n-octanol/water)
Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
Log Kow: 5.10
12.4 Mobility in soil:
No data available.
12.5 Results of PBT and vPvB assessment:
Based on our knowledge of information related to composition:
OCTAMETHYLCYCLOTETRASILOXANE (556-67-2):
Meets PBT criteria (persistent/bioaccumulative/toxic). (REACH (1907/2006) Ax XIII)
Meets vPvB criteria (REACH (1907/2006) Ax XIII)
12.6 Endocrine disrupting properties:
No data available.
12.7 Other Harmful Effects:
Not known.

SECTION 13: Disposal instructions

13.1 Waste treatment methods:
Do not throw waste into the sink.
The user should be aware of the possible existence of local ordinances and regulations regarding waste disposal.
Observe the important information in the other sections.
In particular, information on hazard identification and product stability and reactivity in sections 2 and 10.
Removal methods:

Dispose of the waste to an appropriate treatment and disposal facility.
In doing so, take into account the applicable laws and regulations and the characteristics of the product at the time of disposal.
Burn in suitable incinerator.
Contaminated Packaging:
Contaminated packaging should be as empty as possible.
After cleaning, reuse or have it disposed of by an authorised waste processor.
Packaging that cannot be cleaned should be disposed of in the same way as the product it contains.
Waste code:
The European Waste Catalogue (EWC) waste code cannot be determined for this product, as its determination depends on how the product is used by end-users.
The waste code must be established within the EU in consultation with the disposer.

SECTION 14: Information relating to transport

14.1 UN number
The transport of this substance is not subject to regulations.
14.2 Proper cargo name according to UN model regulations
The transport of this substance is not subject to regulations.
14.3 Transport hazard class(es)
The transport of this substance is not subject to regulations.
14.4 Packing group
The transport of this substance is not subject to regulations.
14.5 Environmental hazards
The transport of this substance is not subject to regulations.
14.6 Special precautions for the user
The transport of this substance is not subject to regulations.
14.7 Transport in bulk in accordance with Annex II to MARPOL 73/78 and the IBC Code
The transport of this substance is not subject to regulations.

SECTION 15: Statutory information

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture:
EU regulations:
Regulation 1005/2009/EC on Substances that Deplete the Ozone Layer, Annex I, Controlled Substances:
Not present or not present in regulated quantities.
Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New substances:
Not present or not present in regulated quantities.
Regulation (EU) 2019/1021 on persistent organic pollutants (revised), as amended:
Not present or not present in regulated quantities.
Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended:
Not present or not present in regulated quantities.
Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended:
Not present or not present in regulated quantities.
Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended:
Not present or not present in regulated quantities.
Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended:
Not present or not present in regulated quantities.
DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions (integrated pollution prevention and control), ANNEX II List of pollutants:

Chemical name	CAS no.
Octamethylcyclotetrasiloxane	556-67-2

REGULATION (EC) No 1907/2006 (REACH), ANNEX XIV LIST OF AUTHORISED SUBSTANCES:

Not present or not present in regulated quantities.

EU. REACH Candidate list of substances of very high concern for authorisation (SVHC):

Chemical name	CAS no.	Concentration	Other information:
Octamethylcyclotetrasiloxane	556-67-2	0,01 - <0,079%	Persistent, Bioaccumulative and Toxic (PBT), highly persistent and very bioaccumulative (vPvB)
Chemical name	**CAS no.**	**Concentration**	**Other information:**
Dodecamethylcyclohexasiloxane	540-97-6	- <0,1%	highly persistent and very bioaccumulative (vPvB)
Decamethylcyclopentasiloxane	541-02-6	- <0,1%	highly persistent and very bioaccumulative (vPvB)
octamethylcyclotetrasiloxane; [D4]	556-67-2	0,01 - <0,079%	Persistent, Bioaccumulative and Toxic (PBT), highly persistent and very bioaccumulative (vPvB)

Regulation (EC) No 1907/2006 Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles:

Chemical name	CAS no.	Entry no.	Concentration
octamethylcyclotetrasiloxane; [D4]	556-67-2	70	0,01 - <0,079%
Decamethylcyclopentasiloxane	541-02-6	70	- <0,1%

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work:

Chemical name	CAS no.	Concentration
octamethylcyclotetrasiloxane; [D4]	556-67-2	0,01 - <0,079%

REGULATION (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register, ANNEX II: Pollutants:

Not present or not present in regulated quantities.

15.2 Chemical safety assessment:

Quartz/surface-treated silica: Polymer-encapsulated wood fibres do not normally endanger health under normal processing conditions.

For information on safe use, refer to section 8 of this safety data sheet.

Classification data:

AICS:	On or in accordance with the overview list.
DSL:	On or in accordance with the overview list.
IECSC:	On or in accordance with the overview list.
ENCS (JP):	On or in accordance with the overview list.
KECI (KR):	On or in accordance with the overview list.
NZIOC:	On or in accordance with the overview list.
PICCS (PH):	On or in accordance with the overview list.
TCSI:	At or in line with the overview list.
TSCA list:	On or consistent with the overview list.
TH ECINL:	On or in accordance with the overview list.
VN INVL:	On or in accordance with the overview list.
EU INV:	On or in accordance with the overview list.

SECTION 16: Other information

Revision information:

SECTION 2	Amendment: Classification of the substance or mixture
SECTION 3	Amendment: Composition and information on ingredients
SECTION 15	Amendment: regulatory

Abbreviations and acronyms:

CLP:	Regulation number 1272/2008.
PBT:	persistent, bioaccumulative and toxic substance.
vPvB:	very persistent and very bioaccumulative substance.

NOAEL:	No level of detectable adverse effect
LOAEL:	Lowest level of detectable adverse effect
ED:	Endocrine disruptor
SVHC:	Listed in the candidate list of substances of very high concern (SVHC)

Full text of H-phrases in sections 2 and 3:

EUH066:	Repeated exposure may cause dry or cracked skin.
EUH210:	Safety data sheet available on request.
H226:	Flammable liquid and vapour.
H361f:	Suspected of damaging fertility.
H372:	Causes organ damage on prolonged or repeated exposure.
H373:	May cause damage to organs through prolonged or repeated exposure
H410:	Highly toxic to aquatic organisms with long-lasting effects.

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Disclaimer of liability:
The information given relies on available data on the substance, its components and similar substances. The information is believed to be correct. It is in good faith. This information should be used to independently determine methods to protect workers and the environment.