

RTV 108

SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

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

1.1 Product identifier

Product name: RTV 108

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

Identified uses: Not known.

Uses advised against: Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Importer/Distributor Information : Momentive Performance Materials GmbH
Chempark Leverkusen Gebaeude V7
DE - 51368 Leverkusen
Germany

Contact person : commercial.services@momentive.com

Telephone : General information
+390510924300 (Customer Service Centre)

1.4 Emergency telephone number : Europe, Israel & All other: +44 (0) 1235239670; Middle East:+44 (0) 1235239671

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567
Not classified

The product is not classified for chronic aquatic toxicity, for further details see section 16

2.2 Label Elements

Not applicable

Supplemental information

EUH210: Safety data sheet available on request.

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Additional Information: No data available.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

Chemical nature: Silicone sealant

3.2 Mixtures

Chemical name	Concentration	CAS-No.	M-Factor:	Notes
Silica	10 - <20%	Trade Secret	No data available.	#
Octamethylcyclotetrasiloxane	1 - <3%	556-67-2	Aquatic Toxicity (Chronic): 10	## ##
Decamethylcyclopentasiloxane	0,1 - <1%	541-02-6	No data available.	## ##
Dodecamethylcyclohexasiloxane	0,1 - <1%	540-97-6	No data available.	## ##

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

This substance is listed as SVHC.

Classification

Chemical name	Classification	Notes
Silica	Classification: None known. Supplemental label information: None known.	None.
Octamethylcyclotetrasiloxane	Classification: Flam. Liq.: 3: H226; Repr.: 2: H361f; ; Aquatic Chronic: 1: H410; Supplemental label information: None known.	None.
Decamethylcyclopentasiloxane	Classification: None known. Supplemental label information: None known.	None.
Dodecamethylcyclohexasiloxane	Classification: None known. Supplemental label information: None known.	None.

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

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No action shall be taken involving any personal risk or without suitable training.

Inhalation:

Move to fresh air. Get medical attention if any discomfort continues.

Skin Contact:

Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.

Eye contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion:

Drink plenty of water. Do NOT induce vomiting. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:

No data available.

Hazards:

No data available.

4.3 Indication of immediate medical attention and special treatment needed

Treatment:

No data available.

SECTION 5: Firefighting measures

General Fire Hazards:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

5.1 Extinguishing media

Suitable extinguishing media:

All standard extinguishing agents are suitable.

Unsuitable extinguishing media:

Do not use water jet.

5.2 Special hazards arising from the substance or mixture:

In case of fire, carbon monoxide and carbon dioxide may be formed. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. Pay attention to the corrosive effects arising from contact with water. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

5.3 Advice for firefighters

Special fire-fighting procedures:

Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	RTV 108 Caution: Contaminated surfaces may be slippery. Reacts with water liberating small amounts of acetic acid. Use personal protective equipment.
6.1.1 For non-emergency personnel:	No data available.
6.1.2 For emergency responders:	No data available.
6.2 Environmental Precautions:	Do not allow runoff to sewer, waterway or ground.
6.3 Methods and material for containment and cleaning up:	Shovel up and place in a container for salvage or disposal.
6.4 Reference to other sections:	No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Safe handling advice:

Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes, skin, and clothing. Acetic acid is formed during processing. Wear appropriate personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Safe storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

7.3 Specific end use(s):

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Type	Form of exposure	Exposure Limit Values		Source
Trade Secret	TWA	Respirable dust.		2,4 mg/m ³	EH40 WEL (12 2011)
	TWA	Inhalable dust.		6 mg/m ³	EH40 WEL (12 2011)
	TWA	Respirable dust.		4 mg/m ³	EH40 WEL (01 2020)
	TWA	Inhalable dust.		10 mg/m ³	EH40 WEL (01 2020)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Chemical name	Type	Form of exposure	Exposure Limit Values		Source
Trade Secret	TWA	Respirable dust.		2,4 mg/m ³	EH40 WEL (12 2011)
	TWA	Inhalable dust.		6 mg/m ³	EH40 WEL (12 2011)
	TWA	Respirable dust.		4 mg/m ³	EH40 WEL (01 2020)
	TWA	Inhalable		10 mg/m ³	EH40 WEL (01 2020)

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		dust.		
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Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

DNEL-Values

Remarks: DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
Octamethylcyclotetrasiloxane	Consumers	Inhalation	Acute, Systemic Toxicity 305 mg/m3	
	Consumers	Inhalation	Acute, Local 61 mg/m3	
	Consumers	Inhalation	long-term, Systemic Toxicity 305 mg/m3	
	Consumers	Inhalation	long-term, Local 61 mg/m3	
Decamethylcyclopentasiloxane	Workers	Inhalation	Acute, Systemic Toxicity 258 mg/m3	
	Workers	Inhalation	Acute, Local 101 mg/m3	
	Workers	Inhalation	long-term, Systemic Toxicity 405 mg/m3	
	Workers	Inhalation	long-term, Local 101 mg/m3	
	Consumers	Inhalation	Acute, Systemic Toxicity 86 mg/m3	
	Consumers	Inhalation	Acute, Local 21 mg/m3	
	Consumers	Ingestion	long-term, Systemic Toxicity 25 mg/kg bw /day	
	Consumers	Inhalation	long-term, Systemic Toxicity 86 mg/m3	
	Consumers	Inhalation	long-term, Local 21 mg/m3	
	Workers	Inhalation	Acute, Systemic Toxicity 98 mg/m3	
Dodecamethylcyclohexasiloxane	Workers	Inhalation	long-term, Systemic Toxicity 98 mg/m3	
	Consumers	Inhalation	Acute, Systemic Toxicity 29 mg/m3	
	Consumers	Inhalation	long-term, Systemic Toxicity 29 mg/m3	
	Consumers	Ingestion	long-term, Systemic Toxicity 8,3 mg/kg bw /day	
	Workers	Dermal	Acute, Systemic Toxicity 1 mg/kg bw /day	
Dibutyltin Dilaurate	Workers	Inhalation	Acute, Systemic Toxicity 0,07 mg/m3	
	Workers	Dermal	long-term, Systemic Toxicity 0,2 mg/kg bw /day	
	Workers	Inhalation	long-term, Systemic Toxicity 0,01 mg/m3	
	Consumers	Dermal	Acute, Systemic Toxicity 0,5 mg/kg bw /day	
	Consumers	Inhalation	Acute, Systemic Toxicity 0,02 mg/m3	
	Consumers	Ingestion	Acute, Systemic Toxicity 0,01 mg/kg bw /day	
	Consumers	Dermal	long-term, Systemic Toxicity 0,08 mg/kg bw /day	
	Consumers	Inhalation	long-term, Systemic Toxicity 0,003 mg/m3	

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	Consumers	Ingestion	long-term, Systemic Toxicity 0,002 mg/kg bw /day	
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PNEC-Values

Remarks: PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
Octamethylcyclotetrasiloxane	Water	0,44 mg/l	
	Seaw ater	0,044 mg/l	
	Sediment	0,128 mg/kg	
	soil	0,16 mg/kg	
	Sew age treatment plant	100 mg/l	
Decamethylcyclopentasiloxane	Water	0,0012 mg/l	
	Seaw ater	0,00012 mg/l	
	Sediment	11 mg/kg	
	soil	3,15 mg/kg	Derived from PNEC(freshw ater) using the equilibrium partitioning method.
	Sew age treatment plant	20 mg/l	
Dodecamethylcyclohexasiloxane	Water	0,0002 mg/l	
	Seaw ater	0,00002 mg/l	
	Intermittent release	1,43 mg/kg	
	Sediment	3,78 mg/kg	
	soil	1 mg/l	
Dibutyltin Dilaurate	Sew age treatment plant		
	Water	0,463 µg/l	
	Seaw ater	0,0463 µg/l	
	Intermittent release	4,63 µg/l	
	freshwater sediment	0,05 mg/kg	Derived from PNEC(freshw ater) using the equilibrium partitioning method.
	Saltw ater Sediment	0,005 mg/kg	Derived from PNEC(freshw ater) using the equilibrium partitioning method.
	soil	0,0407 mg/kg	
	Sew age treatment plant	100 mg/l	
	Oral	0,2 mg/kg	

8.2 Exposure controls

Appropriate Engineering Controls:

Provide adequate general and local exhaust ventilation. Eye washes and showers for emergency use.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection:

Safety glasses with side-shields conforming to EN166

Hand Protection:

Additional Information: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.

Skin and Body Protection:

Wear suitable protective clothing and eye/face protection.

Respiratory Protection:

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respiratory protection mask with Filtrertype ABEK

Hygiene measures:

Avoid contact with eyes, skin, and clothing. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. When using do not eat, drink or smoke.

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Environmental Controls:

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: solid

Form: Paste

Color: Colorless

Odor: Acetic acid.

Odor Threshold: No data available.

Melting Point: No data available.

Boiling Point: No data available.

Flammability: No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: No data available.

Explosive limit - lower: No data available.

Flash Point: > 93,3 °C
Method: estimated

Auto-ignition temperature: No data available.

Decomposition Temperature: No data available.

pH: No data available.

Viscosity

Dynamic viscosity: No data available.

Kinematic viscosity: > 20,5 mm²/s (40 °C)

Solubility(ies)

Solubility in Water: Insoluble

Solubility (other): Toluene

Partition coefficient (n-octanol/water): No data available.

Vapor pressure: No data available.

Relative density: 1,06

Density: No data available.

Vapor density (air=1): No data available.

9.2 Other information

Self-ignition: No data available.

Evaporation Rate: No data available.

Miscible (water): non miscible (<10%)

Sublimation Point:

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No data available.

SECTION 10: Stability and reactivity

10.1	Reactivity:	No data available.
10.2	Chemical Stability:	Material is stable under normal conditions.
10.3	Possibility of hazardous reactions:	Hazardous polymerization does not occur.
10.4	Conditions to avoid:	Reacts with water liberating small amounts of acetic acid.
10.5	Incompatible Materials:	No data available.
10.6	Hazardous Decomposition Products:	Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.

Components:

Silica No data available.

Octamethylcyclotetrasiloxane LD 50, Rat, > 4.800 mg/kg, OECD-Guideline 401 (Acute Oral Toxicity), Not classified

Decamethylcyclopentasiloxane No data available.

Dodecamethylcyclohexasiloxane No data available.

Dermal

Product: Not classified for acute toxicity based on available data.

Components:

Silica No data available.

Octamethylcyclotetrasiloxane LD 50, Rat, > 2.375 mg/kg, OECD Test Guideline 402, Not classified

Decamethylcyclopentasiloxane No data available.

Dodecamethylcyclohexasiloxane No data available.

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Inhalation

Product:	Not classified for acute toxicity based on available data.
Components:	
Silica	No data available.
Octamethylcyclotetrasiloxane	LC50, Rat, male and female, 4 h, 36 mg/l, Aerosol, OECD Test Guideline 403, Not classified
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Repeated dose toxicity

Product:	NOAEL Rat, male and female, Inhalation, vapour, 150 mg/kg NOAEL Rabbit, male and female, Dermal, >, 1 mg/kg
Components:	
Silica	No data available.
Octamethylcyclotetrasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Skin Corrosion/Irritation

Product:	Not irritating
Components:	
Silica	No data available.
Octamethylcyclotetrasiloxane	OECD Test Guideline 404, Rabbit, Non irritating
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Serious Eye Damage/Eye Irritation

Product:	Not irritating
Components:	
Silica	No data available.
Octamethylcyclotetrasiloxane	OECD-Guideline 405 (Acute Eye Irritation/Corrosion), Rabbit, Non irritating
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Respiratory or Skin Sensitization

Product:	No data available.
Components:	
Silica	No data available.
Octamethylcyclotetrasiloxane	Maximisation Test, OECD-Guideline 406 (Skin Sensitisation), Guinea Pig, Not sensitizing
Decamethylcyclopentasiloxane	No data available.

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Dodecamethylcyclohexasiloxane No data available.

Carcinogenicity

Product: No data available.

Components:
Silica No data available.

Octamethylcyclotetrasiloxane Inhalation

Decamethylcyclopentasiloxane No data available.

Dodecamethylcyclohexasiloxane No data available.

Germ Cell Mutagenicity

In vitro

Product: Ames-Test, OECD-Guideline 471: , negative (not mutagenic)
Mouse Lymphoma Assay (OECD Guideline 476): , negative (not mutagenic)

Components:

Silica No data available.

Octamethylcyclotetrasiloxane Ames-Test, OECD-Guideline 471: , negative (not mutagenic)
Mouse Lymphoma Assay (OECD Guideline 476): , negative (not mutagenic)

Decamethylcyclopentasiloxane No data available.

Dodecamethylcyclohexasiloxane No data available.

In vivo

Product: Chromosomal aberration, OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test), negative

Components:

Silica No data available.

Octamethylcyclotetrasiloxane Chromosomal aberration, OECD 475, Inhalation, Rat, male and female, negative
Dominant lethal assay, OECD 478, Oral, Rat, male and female, negative

Decamethylcyclopentasiloxane No data available.

Dodecamethylcyclohexasiloxane No data available.

Reproductive toxicity

Product: No data available.

Components:
Silica No data available.

Octamethylcyclotetrasiloxane No data available.

Decamethylcyclopentasiloxane No data available.

Dodecamethylcyclohexasiloxane No data available.

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Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Components:	
Silica	No data available.
Octamethylcyclotetrasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
Components:	
Silica	No data available.
Octamethylcyclotetrasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Aspiration Hazard

Product:	No data available.
Components:	
Silica	No data available.
Octamethylcyclotetrasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

11.2 Information on other hazards

Other information

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Product:

Octamethylcyclotetrasiloxane (D4) Ingestion: Rodents given large doses via oral gavage of Octamethylcyclotetrasiloxane (1600mg/kg/day, 14 days), developed increased liver weights relative to unexposed control animals due to hepatocellular hyperplasia (increased number of liver cells which appear normal) as well as hypertrophy (increased cell size). Inhalation: In inhalation studies, laboratory rodents exposed to Octamethylcyclotetrasiloxane (300 ppm five days/week, 90 days) developed increased liver weights in female animals relative to unexposed control animals. When the exposure was stopped, liver weights returned to normal. Microscopic examination of the liver cells did not show any evidence of pathology. This response in rats, which does not affect the animal's health, is well-documented and widely recognized. It is related to an increase of liver enzymes that metabolize and eliminate a material from the body. The increased liver weight reverses even while the D4 exposure continues. The finding is not adverse, but is considered a natural adaptive change in rats, and does not represent a hazard to humans. Inhalation studies utilizing laboratory rabbits and guinea pigs showed no effects on liver weights. Inhalation exposures typical of industrial usage (5-10 ppm) showed no toxic effects in rodents. Range finding reproductive studies were conducted (whole body inhalation, 70 days prior to mating, through mating, gestation and lactation), with D4. Rats were exposed to 70 and 700 ppm. In the 700 ppm group, there was a statistically significant reduction in mean litter size and in implantation sites. No D4 related clinical signs were observed in the pups and no exposure related pathological findings were found. A two-year, combined chronic/carcinogenicity study, during which rats were exposed to D4 by inhalation, data showed a statistically significant increase in a benign uterine tumor in female rats exposed at the highest level--a level much higher than the low levels that consumers or workers may encounter. An expert panel of independent scientists who have reviewed the results of this research concur that the finding seen in the two-year study occurred through a biological pathway that is specific to the rat and is not relevant to humans. Therefore, this observed effect does not indicate a potential health hazard to humans. In developmental toxicity studies, rats and rabbits were exposed to D4 at concentrations up to 700 ppm and 500 ppm, respectively. No teratogenic effects (birth defects) were observed in either study.; Contains dibutyltin compound(s) - May impair fertility. May cause harm to unborn child.;

Additional toxicological information under the conditions of use :

No data available.

SECTION 12: Ecological information

12.1 Toxicity:

Toxicity to Aquatic Plants

Product:

No data available.

Components:

Silica

No data available.

Octamethylcyclotetrasiloxane

ErC50, Selenastrum capricornutum, 96 h, >, 0,022 mg/l, No toxicity at the limit of solubility

Decamethylcyclopentasiloxane

No data available.

Dodecamethylcyclohexasil

EC50, Algae (Pseudokirchneriella subcapitata), 72 h, >, 0,002 mg/l,

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oxane OECD Test Guideline 201, No effects at the limit of solubility.
NOEC, Algae (*Pseudokirchneriella subcapitata*), 72 h, $\geq$, 0,002 mg/l,
OECD Test Guideline 201, No effects at the limit of solubility.

Toxicity to microorganisms

Product: No data available.
Components:
Silica No data available.
Octamethylcyclotetrasiloxane No data available.
Decamethylcyclopentasiloxane No data available.
Dodecamethylcyclohexasiloxane EC50, activated sludge (adaptation not specified), 3 h, $>$, 100 mg/l,
OECD-Guideline No. 209

Acute hazards to the aquatic environment:

Fish

Product: No data available.
Components:
Silica No data available.
Octamethylcyclotetrasiloxane LC50, *Oncorhynchus mykiss*, 96 h, $>$, 0,022 mg/l, No toxicity at the limit of solubility
Decamethylcyclopentasiloxane No data available.
Dodecamethylcyclohexasiloxane No data available.

Aquatic Invertebrates

Product: EC50, *Daphnia magna*, 48 h, $>$, 0,015 mg/l
Components:
Silica No data available.
Octamethylcyclotetrasiloxane EC50, *Daphnia magna*, 48 h, $>$, 0,015 mg/l, No toxicity at the limit of solubility
Decamethylcyclopentasiloxane No data available.
Dodecamethylcyclohexasiloxane No data available.

Chronic hazards to the aquatic environment:

Fish

Product: LC50, *Oncorhynchus mykiss*, 14 d, 0,01 mg/l
Components:
Silica No data available.
Octamethylcyclotetrasiloxane NOEC, *Oncorhynchus mykiss*, 93 d, $\geq$, 0,0044 mg/l, No toxicity at the limit of solubility
Decamethylcyclopentasiloxane No data available.
Dodecamethylcyclohexasiloxane NOEC, *Oncorhynchus mykiss*, 91 d, 0,014 mg/l, No toxicity at the limit of solubility

Aquatic Invertebrates

Product: EC50, *Daphnia magna*, 21 d, $>$, 0,015 mg/l
Components:
Silica No data available.

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Octamethylcyclotetrasiloxane	NOEC, Daphnia magna, 21 d, >, 0,015 mg/l, No toxicity at the limit of solubility
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	NOEC, Daphnia magna, 21 d, 0,0046 mg/l, No toxicity at the limit of solubility EC50, Sediment Invertebrate, 28 d, >, 420 mg/l LOEC, Sediment Invertebrate, 28 d, >=, 420 mg/l

12.2 Persistence and Degradability

Biodegradation

Product:	No data available.
Components:	
Silica	No data available.
Octamethylcyclotetrasiloxane	3,7 %, 29 d, 310 Ready Biodegradability - CO ₂ in Sealed Vessels (Headspace Test), Not readily biodegradable., Persistent
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
Components:	
Silica	No data available.
Octamethylcyclotetrasiloxane	12.400
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product:	No data available.
Components:	
Silica	No data available.
Octamethylcyclotetrasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

12.4 Mobility in soil:

Product:	No data available.
Components:	
Silica	No data available.
Octamethylcyclotetrasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.

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Dodecamethylcyclohexasiloxane No data available.

12.5 Results of PBT and vPvB assessment:

Product: No data available.
Components:
Silica No data available.
Octamethylcyclotetrasiloxane Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB)
Decamethylcyclopentasiloxane vPvB: very persistent and very bioaccumulative substance.
Dodecamethylcyclohexasiloxane vPvB: very persistent and very bioaccumulative substance.

12.6 Other adverse effects:

Other hazards

Product: No data available.

Additional Information: Ecotoxicological data for this product is not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: The generation of waste should be avoided or minimized wherever possible. See Section 8 for information on appropriate personal protective equipment. Do not discharge into drains, water courses or onto the ground.

Disposal methods: Can be incinerated when in compliance with local regulations.

Contaminated Packaging: Dispose of as unused product.

SECTION 14: Transport information

ADR

Not Regulated.

ADN

Not Regulated.

RID

Not Regulated.

IATA

Not Regulated.

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IMDG Code

Not Regulated.

14.6 Special precautions for user: This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Keep away from food, foodstuff, acids and bases.

14.7 Maritime transport in bulk according to IMO instruments

Product is not transported in bulk.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture :

UK. REACH, Annex XIV, Substances Subject to Authorization (Authorization List), as amended: None present or none present in regulated quantities.

UK. UK REACH Candidate List of substances of very high concern (SVHCs) for Authorisation:

Chemical name	CAS-No.	Concentration	Additional Information
Octamethylcyclotetrasiloxane	556-67-2	1,0 - 10%	very Persistent and very Bioaccumulative (article 57e) Persistent, Bioaccumulative and Toxic (article 57d)
Decamethylcyclopentasiloxane	541-02-6	0,1 - 1,0%	Persistent, Bioaccumulative and Toxic (article 57d) very Persistent and very Bioaccumulative (article 57e)
Dodecamethylcyclohexasiloxane	540-97-6	0,1 - 1,0%	very Persistent and very Bioaccumulative (article 57e) Persistent, Bioaccumulative and Toxic (article 57d)

UK. POPs List. SI Persistent Organic Pollutants Regulations 3106/2007, amended by UK POPs (Amendment) (EU Exit) Regulations 2020 (No. 1358), as amended: None present or none present in regulated quantities.

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Regulation 2024/590/EC on substances that deplete the ozone layer, Annex I, Controlled Substances:
None present or none present in regulated quantities.

Regulation 2024/590/EC on substances that deplete the ozone layer, Annex II, New Substances: None present or none present in regulated quantities.

UK EXP1: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended:

Chemical name	CAS-No.
Dibutyltin Dilaurate	77-58-7

UK EXP2: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK EXP3: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK BAN: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use :

Chemical name	CAS-No.	Number on list
Octamethylcyclotetrasiloxane	556-67-2	70
Decamethylcyclopentasiloxane	541-02-6	70
Acetic acid	64-19-7	40, 3
Dibutyltin Dilaurate	77-58-7	30
Acetic Anhydride	108-24-7	3, 40

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: None present or none present in regulated quantities.

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

Inventory Status

Australia Industrial Chem. Act (AIC):	On or in compliance with the inventory	Remarks: None.
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Canada DSL Inventory List:	Q (quantity restricted)	Remarks: Please contact your supplier for further information on the inventory status of this material.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: None.

SECTION 16: Other information

Date of first report version: 10.10.2025

Generation date: 10.10.2025

Version #: 1.0

Revision Information: Not relevant.

Key literature references and sources for data: The partition coefficient of D4 between PDMS and water has been determined as $\log K_{PDMS-water} = 7.09$. It follows that PDMS containing up to 3%w/w D4 will generate a thermodynamic limit concentration of 2.4 µg D4/L in the water phase. The critical 21d-NOEC for daphnia of 7.9 µg D4/L will not be reached. The product is therefore not classified for chronic aquatic toxicity

Wording of the statements in section 2 and 3

H226	Flammable liquid and vapor.
H361f	Suspected of damaging fertility.
H410	Very toxic to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

Training information: No data available.

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Disclaimer:

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.