TSE392-C

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: TSE392-C

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

Identified uses: Silicone Elastomer

Uses advised against: For industrial use only.

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 been classified 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

Health Hazards		
Serious eye irritation	Category 2	H319: Causes serious eye irritation.
Environmental Hazards		
Chronic hazards to the aquatic environment	Category 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label Elements

Signal Word: Warning

Hazard Statement(s):
H319: Causes serious eye irritation.
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention:
P273: Avoid release to the environment.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.

Disposal:
P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Unknown toxicity - Health

Acute toxicity, oral	0 %
Acute toxicity, dermal	0 %
Acute toxicity, inhalation, vapor	0,073 %
Acute toxicity, inhalation, dust or mist	0,073 %

Unknown toxicity - Environment

Acute hazards to the aquatic environment	0 %
Chronic hazards to the aquatic environment	0 %

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
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	1 - <3%	134759-20-9	No data available.	
Dibutyltin Dilaurate	0,1 - <0,3%	77-58-7	No data available.	#
Dodecamethylcyclohexasiloxane	0,1 - <1%	540-97-6	No data available.	## ##
Decamethylcyclopentasiloxane	0,1 - <1%	541-02-6	No data available.	## ##
Octamethylcyclotetrasiloxane	0,01 - <0,1%	556-67-2	Aquatic Toxicity (Chronic): 10	## ##

* 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
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	Classification: Eye Dam.: 1: H318; Skin Corr.: 2: H315 Supplemental label information: None known.	None.
Dibutyltin Dilaurate	Classification: Muta.: 2: H341; Repr.: 1B: H360FD; STOT RE: 1: H372 Supplemental label information: None known.	None.
Dodecamethylcyclohexasiloxane	Classification: None known. Supplemental label information: None known.	None.
Decamethylcyclopentasiloxane	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.

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Move into fresh air and keep at rest. Get medical attention if symptoms occur.

Skin Contact: No data available.

Eye contact:	Rinse the eye with water immediately. If eye irritation persists: Get medical advice/attention.
Ingestion:	If swallowed, do NOT induce vomiting. Give a glass of water. Rinse mouth. Consult a physician for specific advice.

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:	Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

5.1 Extinguishing media

Suitable extinguishing media:	All standard extinguishing agents are suitable.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.
5.2 Special hazards arising from the substance or mixture:	Reacts with water liberating small amounts of methanol. In case of fire, carbon monoxide and carbon dioxide may be formed. 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:	Product may charge electrostatically during pouring or filling. Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.
Special protective equipment for fire-fighters:	Use standard firefighting procedures and consider the hazards of other involved materials. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	No data available.
6.1.1 For non-emergency personnel:	Remove sources of ignition.
6.1.2 For emergency responders:	No data available.
6.2 Environmental Precautions:	Prevent runoff from entering drains, sewers, or streams.

6.3 Methods and material for containment and cleaning up: Use mechanical handling equipment. 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: Methanol is formed during processing. Wear appropriate personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Safe storage conditions: Store in original tightly closed container. Keep in a cool, ventilated location far from heat source and flame Keep away from food, drink and animal feeding stuffs.

7.3 Specific end use(s): No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Chemical name	Type	Form of exposure	Exposure Limit Values		Source
Dibutyltin Dilaurate	TWA	as Sn		0,1 mg/m3	EH40 WEL (2007)
	STEL 15 minutes	as Sn		0,2 mg/m3	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.

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
Dodecamethylcyclohexasiloxane	Workers	Inhalation	Acute, Systemic Toxicity 98 mg/m3	
	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	
gamma-Aminopropyltriethoxysilane	Workers	Dermal	Acute, Systemic Toxicity 8,3 mg/kg bw /day	
	Workers	Inhalation	Acute, Systemic Toxicity 59 mg/m3	

	Workers	Dermal	long-term, Systemic Toxicity 8,3 mg/kg bw /day	
	Workers	Inhalation	long-term, Systemic Toxicity 59 mg/m3	
Dibutyltin Dilaurate	Workers	Dermal	Acute, Systemic Toxicity 1 mg/kg bw /day	
	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	
	Consumers	Ingestion	long-term, Systemic Toxicity 0,002 mg/kg bw /day	
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	
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	

PNEC-Values

Remarks: PNEC-Values

Critical component	**Environmental compartment**	**PNEC-Values**	**Remarks**
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	
	Sew age treatment plant		
gamma-Aminopropyltriethoxysilane	Water	0,33 mg/l	
	Seaw ater	0,033 mg/l	
	Intermittent release	3,3 mg/l	

	Sediment	0,26 mg/kg	Derived from PNEC(freshwater) using the equilibrium partitioning method.
	soil	0,04 mg/kg	Derived from PNEC(freshwater) using the equilibrium partitioning method.
	Sewage treatment plant	13 mg/l	
Dibutyltin Dilaurate	Water	0,463 µg/l	
	Seawater	0,0463 µg/l	
	Intermittent release	4,63 µg/l	
	freshwater sediment	0,05 mg/kg	Derived from PNEC(freshwater) using the equilibrium partitioning method.
	Saltwater Sediment	0,005 mg/kg	Derived from PNEC(freshwater) using the equilibrium partitioning method.
	soil	0,0407 mg/kg	
	Sewage treatment plant	100 mg/l	
	Oral	0,2 mg/kg	
Decamethylcyclopentasiloxane	Water	0,0012 mg/l	
	Seawater	0,00012 mg/l	
	Sediment	11 mg/kg	
	soil	3,15 mg/kg	Derived from PNEC(freshwater) using the equilibrium partitioning method.
	Sewage treatment plant	20 mg/l	
Octamethylcyclotetrasiloxane	Water	0,44 mg/l	
	Seawater	0,044 mg/l	
	Sediment	0,128 mg/kg	
	soil	0,16 mg/kg	
	Sewage treatment plant	100 mg/l	

8.2 Exposure controls

Appropriate Engineering Controls: Eye wash facilities and emergency shower must be available when handling this product. Observe good industrial hygiene practices.

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

Eye/face protection: No data available.

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. Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene measures: Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat or drink.

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:	Faint
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:	144 °C
Auto-ignition temperature:	No data available.
Decomposition Temperature:	No decomposition if stored and applied as directed.
pH:	No data available.
Viscosity	
Dynamic viscosity:	No data available.
Kinematic viscosity:	> 20,5 mm2/s (40 °C)
Solubility(ies)	
Solubility in Water:	Insoluble
Partition coefficient (n-octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	No data available.
Vapor density (air=1):	No data available.

9.2 Other information

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

SECTION 10: Stability and reactivity

10.1	**Reactivity:**	Material is stable under normal conditions.
10.2	**Chemical Stability:**	Material is stable under normal conditions.
10.3	**Possibility of hazardous reactions:**	Hazardous polymerization does not occur. Avoid contact with: Moisture.
10.4	**Conditions to avoid:**	Keep away from heat, sparks and open flame.
10.5	**Incompatible Materials:**	Moisture. Strong Acids, Strong Bases

10.6	**Hazardous Decomposition Products:**	Carbon oxides Oxides of silicon. Generates methanol during cure. 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

General information: In serious cases absorption of methanol in the body may lead to damage to the eyesight.

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:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	LD 50, Rat, male and female, 4.666 mg/kg, OECD-Guideline 401 (Acute Oral Toxicity)
Dibutyltin Dilaurate	LD 50, Rat, male and female, 2.071 mg/kg, OECD-Guideline 401 (Acute Oral Toxicity), Not classified, Slightly toxic
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	LD 50, Rat, > 4.800 mg/kg, OECD-Guideline 401 (Acute Oral Toxicity), Not classified

Dermal

Product:	ATEmix, 265.111,35 mg/kg
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	LD 50, Rat, 750 mg/kg, No data available. LD 50, Rat, males, 1.000 mg/kg, No data available. LD 50, Rat, > 2.000 mg/kg, OECD-Guideline 402 (Acute Dermal Toxicity), Corrosion, Semi-occlusive
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasilox	LD 50, Rat, > 2.375 mg/kg, OECD Test Guideline 402, Not classified

ane

Inhalation

Product:	Not classified for acute toxicity based on available data.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	LC50, Rat, 2,00 h, ca., 10 mg/l, No data available.
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	LC50, Rat, male and female, 4 h, 36 mg/l, Aerosol, OECD Test Guideline 403, Not classified

Repeated dose toxicity

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

Skin Corrosion/Irritation

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	slightly irritating (not classified according to the German Dangerous Substances legislation), Draize, Rabbit, 4 h, Slightly irritating.
Dibutyltin Dilaurate	Rabbit, Severe skin irritation.
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	OECD Test Guideline 404, Rabbit, Non irritating

Serious Eye Damage/Eye Irritation

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	Risk of serious damage to eyes., Draize, Rabbit, 24 h, Corrosive
Dibutyltin Dilaurate	Irritating to eyes., OECD Test Guideline 405, Rabbit, 21 d, Strongly irritating.

Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	OECD-Guideline 405 (Acute Eye Irritation/Corrosion), Rabbit, Non irritating

Respiratory or Skin Sensitization

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	Guinea Pig, negative
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	Maximisation Test, OECD-Guideline 406 (Skin Sensitisation), Guinea Pig, Not sensitizing

Carcinogenicity

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	Inhalation

Germ Cell Mutagenicity
In vitro

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	Ames-Test, OECD-Guideline 471: , negative (not mutagenic) Mouse Lymphoma Assay (OECD Guidline 476): , negative (not mutagenic)

In vivo

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	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

Reproductive toxicity

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.

Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

Aspiration Hazard

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

11.2 Information on other hazards

Other information

Product:	No data available.

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:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	EC50, Algae (Pseudokirchneriella subcapitata), 72 h, >, 0,002 mg/l, OECD Test Guideline 201, No effects at the limit of solubility. NOEC, Algae (Pseudokirchneriella subcapitata), 72 h, >=, 0,002 mg/l, OECD Test Guideline 201, No effects at the limit of solubility.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	ErC50, Selenastrum capricornutum, 96 h, >, 0,022 mg/l, No toxicity at the limit of solubility

Toxicity to microorganisms

Product:	No data available.
Components:	
CYCLOPENTYLSILAZAN	No data available.

E-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	EC50, activated sludge (adaptation not specified), 3 h, >, 100 mg/l, OECD-Guideline No. 209
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

Acute hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
CYCLOPENTYLSILAZAN E-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	LC50, Oncorhynchus mykiss, 96 h, >, 0,022 mg/l, No toxicity at the limit of solubility

Aquatic Invertebrates

Product:	No data available.
Components:	
CYCLOPENTYLSILAZAN E-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	EC50, Daphnia magna, 48 h, <, 0,463 mg/lOECD Test Guideline 202, Fresh water
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	EC50, Daphnia magna, 48 h, >, 0,015 mg/l, No toxicity at the limit of solubility

Chronic hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
CYCLOPENTYLSILAZAN E-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	NOEC, Oncorhynchus mykiss, 91 d, 0,014 mg/l, No toxicity at the limit of solubility

Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	NOEC, Oncorhynchus mykiss, 93 d, >=, 0,0044 mg/l, No toxicity at the limit of solubility

Aquatic Invertebrates

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	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
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	NOEC, Daphnia magna, 21 d, >, 0,015 mg/l, No toxicity at the limit of solubility

12.2 Persistence and Degradability

Biodegradation

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	23 %, 39 d, The product is not readily biodegradable., Biological degradability
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	3,7 %, 29 d, 310 Ready Biodegradability - CO_2 in Sealed Vessels (Headspace Test), Not readily biodegradable., Persistent

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.

Octamethylcyclotetrasiloxane	12.400

Partition Coefficient n-octanol / water (log Kow)

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

12.4 Mobility in soil:

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

12.5 Results of PBT and vPvB assessment:

Product:	No data available.
Components:	
CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
Dibutyltin Dilaurate	No data available.
Dodecamethylcyclohexasiloxane	vPvB: very persistent and very bioaccumulative substance.
Decamethylcyclopentasiloxane	vPvB: very persistent and very bioaccumulative substance.
Octamethylcyclotetrasiloxane	Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB)

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. Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

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.

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. Protect from moisture. Keep away from food, foodstuff, acids and bases. keep away from odour sensitive materials

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
Dodecamethylcyclohexasiloxane	540-97-6	0,1 - 1,0%	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)

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.

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
DIBUTYLTIN OXIDE	818-08-6

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
gamma-Aminopropyltriethoxysilane	919-30-2	3
Dibutyltin Dilaurate	77-58-7	30
Decamethylcyclopentasiloxane	541-02-6	70

Octamethylcyclotetrasiloxane	556-67-2	70
Butyltris[(1-oxododecyl)oxy]stannane	25151-00-2	20
DIBUTYLTIN OXIDE	818-08-6	20, 20

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
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 (AIIC):	Not in compliance with the inventory.	Remarks: None.
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:	Not 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: Commercial Status: Active

SECTION 16: Other information

Date of first report version: 09.10.2025

Generation date: 09.10.2025

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 KPDMS-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

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

Classification	Classification procedure
Serious eye irritation, Category 2	On basis of test data
Chronic hazards to the aquatic environment, Category 3	On basis of test data

Wording of the statements in section 2 and 3

H226	Flammable liquid and vapor.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H360FD	May damage fertility. May damage the unborn child.
H361f	Suspected of damaging fertility.
H372	Causes damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Training information: No data available.

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.