

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by  
Regulation(EU) No. 2020/878

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

### 1.1 Product identifier

Product name: SNAPSIL™ TSE399-C

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

Identified uses: Professional Industrial

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 been classified according to the legislation in force.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

#### Health Hazards

Serious eye irritation                      Category 2                      H319: Causes serious eye irritation.

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

### 2.2 Label Elements



**Signal Words:**                      Warning

**Hazard Statement(s):**                      H319: Causes serious eye irritation.

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**Precautionary Statements**

**Prevention:** P264: Wash thoroughly after handling.  
 P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:** P362+P364: Take off contaminated clothing and wash it before reuse.  
 P337+P313: If eye irritation persists: Get medical advice/attention.

**Supplemental label information**

EUH208: Contains (gamma-Aminopropyltriethoxysilane, Dibutyltin Dilaurate). May produce an allergic reaction.

**Unknown toxicity - Health**

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

**Additional Information:** No data available.

**2.3 Other hazards**

**PBT/vPvB data**

Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB)

**Endocrine disrupting properties-Toxicity**

The substance/mixture does not contain components considered 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 levels of 0.1% or higher.

**Endocrine disrupting properties-Ecotoxicity**

The substance/mixture does not contain components considered 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 levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients**

**Chemical nature:** Mixture of polydimethylsiloxanes, fillers and cross-linkers.

**3.2 Mixtures**

**General information:** No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
CYCLOPENT YLSILAZANE-AMINOSILOXANE COPOLYMER , METHOXY TERMINATED	1 - <3%	134759-20-9	638-885-6	Polymer	Not applicable	

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gamma-Aminopropyltriethoxysilane	0,1 - <1%	919-30-2	213-048-4	01-2119480479-24-XXXX	Not applicable	
Dodecamethyl cyclohexasiloxane	0,1 - <1%	540-97-6	208-762-8	01-2119517435-42-XXXX	Not applicable	vPvB
Dibutyltin Dilaurate	0,1 - <0,25%	77-58-7	201-039-8	01-2119496068-27-XXXX	Aquatic Toxicity (Acute): 1	
Octamethylcyclotetrasiloxane	0,01 - <0,1%	556-67-2	209-136-7	01-2119529238-36-XXXX	Aquatic Toxicity (Chronic): 10	PBT, vPvB

\* 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).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

**Classification**

Chemical name	Classification	Notes
CYCLOPENTYLSILAZAN E-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	Eye Dam.: 1: H318; Skin Corr.: 2: H315;	
gamma-Aminopropyltriethoxysilane	Acute Tox.: 4: H302; Skin Corr.: 1B: H314; Eye Dam.: 1: H318; Skin Sens.: 1: H317;	No data available.
Dodecamethylcyclohexasiloxane	No data available.	
Dibutyltin Dilaurate	Skin Corr.: 1C: H314; Eye Dam.: 1: H318; Skin Sens.: 1: H317; Muta.: 2: H341; Repr.: 1B: H360FD; STOT SE: 1: H370; Aquatic Chronic: 1: H410; Aquatic Acute: 1: H400; No data available.	No data available.
Octamethylcyclotetrasiloxane	Flam. Liq.: 3: H226; Repr.: 2: H361f; Aquatic Chronic: 1: H410;	

CLP: Regulation No. 1272/2008.

**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.

**Eye contact:** Rinse the eye with water immediately. If eye irritation persists: Get medical advice/attention.

**Skin Contact:** After contact with skin, remove product mechanically. Wash area with soap and water.

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<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Give a glass of water. Rinse mouth. Consult a physician for specific advice.
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	Product may hydrolyse upon contact with body fluids in the gastrointestinal tract to produce additional methanol; therefore, consider the signs/symptoms of methanol poisoning and also observe the known latency period of several days!
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
<b>Hazards:</b>	No data available.
<b>Treatment:</b>	If swallowed, do NOT induce vomiting. Give a glass of water. If swallowed, rinse mouth with water (only if the person is conscious). Product may hydrolyze upon contact with body fluids in the gastrointestinal tract to produce additional methanol. The potential for toxic effects due to methanol formation (eye damage and blindness, metabolic acidosis, dizziness and drowsiness, fetal toxicity, and liver, kidney, and heart muscle damage) should be recognized.

**SECTION 5: Firefighting measures**

<b>General Fire Hazards:</b>	Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
<b>5.1 Extinguishing media</b>	
<b>Suitable extinguishing media:</b>	All standard extinguishing agents are suitable.
<b>Unsuitable extinguishing media:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>5.2 Special hazards arising from the substance or mixture:</b>	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.
<b>5.3 Advice for firefighters</b>	
<b>Special fire-fighting procedures:</b>	Product may charge electrostatically during pouring or filling. Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.
<b>Special protective equipment for fire-fighters:</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Self-contained breathing apparatus.

**SECTION 6: Accidental release measures**

<b>6.1 Personal precautions, protective equipment and emergency procedures:</b>	Provide adequate ventilation. Use personal protective equipment. Keep container tightly closed and in a well-ventilated place. Caution: Contaminated surfaces may be slippery.
<b>6.2 Environmental Precautions:</b>	Prevent runoff from entering drains, sewers, or streams.
<b>6.3 Methods and material for containment and cleaning up:</b>	Use mechanical handling equipment. Shovel up and place in a container for salvage or disposal.
<b>6.4 Reference to other sections:</b>	Remove sources of ignition.

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**SECTION 7: Handling and storage:**

<b>7.1 Precautions for safe handling:</b>	Methanol is formed during processing. Wear appropriate personal protective equipment.
<b>Storage conditions:</b>	Keep away from sources of ignition - No smoking. Store in original container.
<b>7.2 Conditions for safe storage, including any incompatibilities:</b>	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.
<b>Storage Stability:</b>	Material is stable under normal conditions.
<b>7.3 Specific end use(s):</b>	No data available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control Parameters**

**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Biological Limit Values**

None.

**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**

**General information:**

Use only in well-ventilated areas. Wear suitable gloves and eye/face protection.

**Eye/face protection:**

Safety glasses with side-shields conforming to EN166

**Skin protection**

**Hand Protection:**

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

**Other:**

Wear suitable protective clothing and eye/face protection. Wear suitable protective clothing.

**Respiratory Protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection mask with Filtertype ABEK

**Hygiene measures:**

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

**Environmental exposure controls:**

No data available.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Appearance**

<b>Physical state:</b>	liquid
<b>Form:</b>	Paste

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<b>Color:</b>	Colorless
<b>Odor:</b>	Faint
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	Not applicable substance/mixture is non-soluble (in water)
<b>Freezing point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	198 °C
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%):</b>	No data available.
<b>Flammability Limit - Lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative vapor density:</b>	No data available.
<b>Density:</b>	ca. 1,04 g/cm <sup>3</sup>
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	No data available.
<b>Auto-ignition temperature:</b>	> 450 °C
<b>Decomposition Temperature:</b>	No decomposition if stored and applied as directed.
<b>SADT:</b>	No data available.
<b>Viscosity, dynamic:</b>	No data available.
<b>Viscosity, kinematic:</b>	> 20,5 mm <sup>2</sup> /s (40 °C)
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.

**9.2 Other information**

<b>Minimum ignition temperature:</b>	450 °C
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**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity:</b>	Material is stable under normal conditions.
<b>10.2 Chemical Stability:</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Hazardous polymerization does not occur. Avoid contact with: Moisture.
<b>10.4 Conditions to avoid:</b>	Keep away from heat, sparks and open flame.
<b>10.5 Incompatible Materials:</b>	Moisture. Strong Acids, Strong Bases
<b>10.6 Hazardous Decomposition Products:</b>	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**

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

**Information on likely routes of exposure**

**Inhalation:** No data available.

**Ingestion:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

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

**Acute toxicity**

**Oral**

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

**Specified substance(s)**  
 CYCLOPENTYLSILAZA LD 50 (Rat): 4.666 mg/kg

NE-AMINOSILOXANE  
 COPOLYMER,  
 METHOXY  
 TERMINATED  
 gamma-  
 Aminopropyltriethoxysilane

Dodecamethylcyclohexasiloxane LD 50 (Rat): 2.000 mg/kg

Dibutyltin Dilaurate LD 50 (Rat): 2.071 mg/kg

Octamethylcyclotetrasiloxane LD 50 (Rat): > 4.800 mg/kg

**Dermal**

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

**Specified substance(s)**  
 CYCLOPENTYLSILAZANE-  
 AMINOSILOXANE

COPOLYMER,  
 METHOXY  
 TERMINATED  
 gamma-  
 Aminopropyltriethoxysilane

Dodecamethylcyclohexasiloxane LD 50 (Rat): 2.000 mg/kg

Dibutyltin Dilaurate LD 50 (Rat): > 2.000 mg/kg

Octamethylcyclotetrasiloxane LD 50 (Rat): > 2.375 mg/kg

**Inhalation**

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

**Specified substance(s)**  
 CYCLOPENTYLSILAZA No data available.

NE-AMINOSILOXANE  
 COPOLYMER,  
 METHOXY

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TERMINATED  
 gamma-  
 Aminopropyltriethoxysilane  
 Dodecamethylcyclohexasiloxane  
 Dibutyltin Dilaurate  
 Octamethylcyclotetrasiloxane

No data available.  
 No data available.  
 No data available.  
 LC50 (Rat, 4 h): 36 mg/l

**Repeated dose toxicity**

**Product:** No data available.  
**Specified substance(s)**  
 CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY  
 TERMINATED  
 gamma-  
 Aminopropyltriethoxysilane  
 Dodecamethylcyclohexasiloxane  
 Dibutyltin Dilaurate  
 Octamethylcyclotetrasiloxane

No data available.  
 No data available.  
 NOAEL (Rat): 200 mg/kg/d  
 (Rat(males)): 147 mg/m<sup>3</sup>  
 NOAEL (Rat(male and female), Oral): 1.000 mg/kg  
 No data available.  
 No data available.

**Skin Corrosion/Irritation:**

**Product:** No data available.  
**Specified substance(s)**  
 CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY  
 TERMINATED  
 gamma-  
 Aminopropyltriethoxysilane  
 Dodecamethylcyclohexasiloxane  
 Dibutyltin Dilaurate  
 Octamethylcyclotetrasiloxane

Draize (Rabbit, 4 h): Slightly irritating.  
 No data available.  
 OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit, 72 h):  
 No skin irritation  
 (Rabbit): Severe skin irritation.  
 OECD Test Guideline 404 (Rabbit): Non irritating

**Serious Eye Damage/Eye Irritation:**

**Product:** No data available.  
**Specified substance(s)**  
 CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY  
 TERMINATED  
 gamma-  
 Aminopropyltriethoxysilane  
 Dodecamethylcyclohexasiloxane

Draize (Rabbit, 24 h): Corrosive Risk of serious damage to eyes.  
 No data available.  
 OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit, 72 h): No eye irritation Not irritating



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Dibutyltin Dilaurate	OECD Test Guideline 405 (Rabbit, 21 d): Strongly irritating. Irritating to eyes.
Octamethylcyclotetrasiloxane	OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Non irritating

**Respiratory or Skin Sensitization:**

**Product:** No data available.

**Specified substance(s)**

CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
gamma-Aminopropyltriethoxysilane	Bühler-Patch-Test skin sensitisation on guinea pigs, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): Sensitizing
Dodecamethylcyclohexasiloxane	Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): negative
Dibutyltin Dilaurate	Maximisation Test, OECD Test Guideline 406 (Guinea Pig): Sensitizer
Octamethylcyclotetrasiloxane	Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): Not sensitizing

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Specified substance(s)**

CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
gamma-Aminopropyltriethoxysilane	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Dibutyltin Dilaurate	Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic) Mammalian cytogenicity test (OECD 476): negative
Octamethylcyclotetrasiloxane	Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic) Mouse Lymphoma Assay (OECD Guideline 476): negative (not mutagenic)

**In vivo**

**Product:** No data available.

**Specified substance(s)**

CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
gamma-Aminopropyltriethoxysilane	No data available.

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Dodecamethylcyclohexas iloxane	OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test) (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Intraperitoneal (Mouse, male and female): negative
Dibutyltin Dilaurate	(OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Oral (Mouse) positive The health hazard evaluation is based on the toxicological properties of a similar material.
Octamethylcyclotetrasilox ane	Chromosomal aberration (OECD 475) Inhalation (Rat, male and female): negative Dominant lethal assay (OECD 478) Oral (Rat, male and female): negative

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**

CYCLOPENTYLSILAZAN E-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED gamma- Aminopropyltriethoxysilan e	No data available.
Dodecamethylcyclohexas iloxane	No data available.
Dibutyltin Dilaurate	No data available.
Octamethylcyclotetrasilox ane	No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

CYCLOPENTYLSILAZAN E-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED gamma- Aminopropyltriethoxysilan e	No data available.
Dodecamethylcyclohexas iloxane	No data available.
Dibutyltin Dilaurate	No data available.
Octamethylcyclotetrasilox ane	No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s)**

CYCLOPENTYLSILAZAN E-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED gamma- Aminopropyltriethoxysilan e	No data available.
Dodecamethylcyclohexas iloxane	No data available.
Dibutyltin Dilaurate	No data available.

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Octamethylcyclotetrasiloxane No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s)**

CYCLOPENTYLSILAZAN No data available.

E-AMINOSILOXANE

COPOLYMER,

METHOXY

TERMINATED

gamma- No data available.

Aminopropyltriethoxysilan

e

Dodecamethylcyclohexas No data available.

iloxane

Dibutyltin Dilaurate No data available.

Octamethylcyclotetrasiloxane No data available.

ane

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

CYCLOPENTYLSILAZAN No data available.

E-AMINOSILOXANE

COPOLYMER,

METHOXY

TERMINATED

gamma- No data available.

Aminopropyltriethoxysilan

e

Dodecamethylcyclohexas No data available.

iloxane

Dibutyltin Dilaurate No data available.

Octamethylcyclotetrasiloxane No data available.

ane

**11.2 Information on other hazards**

**Endocrine disrupting properties**

**Product:** The substance/mixture does not contain components considered 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 levels of 0.1% or higher.;

**Components:**

CYCLOPENTYLSILAZAN No data available.

NE-AMINOSILOXANE

COPOLYMER,

METHOXY

TERMINATED

gamma- No data available.

Aminopropyltriethoxysila

ne

Dodecamethylcyclohexa No data available.

siloxane

Dibutyltin Dilaurate No data available.

Octamethylcyclotetrasiloxane No data available.

xane

**Other effects:** No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Acute toxicity

##### Fish

**Product:** No data available.

##### Specified substance(s)

CYCLOPENTYLSILAZA NE-AMINOSILOXANE

COPOLYMER,

METHOXY

TERMINATED

gamma-Aminopropyltriethoxysilane LC 50 (96 h): > 110 mg/l (OECD-Guideline 203 (Fish, Acute Toxicity Test))

Dodecamethylcyclohexasilo-

xane No data available.

Dibutyltin Dilaurate No data available.

Octamethylcyclotetrasiloxane No toxicity at the limit of solubility ; LC50 (Oncorhynchus mykiss, 96 h): > 0,022 mg/l

#### Aquatic Invertebrates

**Product:** No data available.

##### Specified substance(s)

CYCLOPENTYLSILAZA NE-AMINOSILOXANE

COPOLYMER,

METHOXY

TERMINATED

gamma-Aminopropyltriethoxysilane EC50 (Daphnia, 48 h): > 100 mg/l (OECD Test Guideline 202)

Dodecamethylcyclohexasilo-

xane No data available.

Dibutyltin Dilaurate Fresh water ; EC50 (Daphnia magna, 48 h): < 0,463 mg/l (OECD Test Guideline 202)

Octamethylcyclotetrasiloxane No toxicity at the limit of solubility ; EC50 (Daphnia magna, 48 h): > 0,015 mg/l

#### Chronic Toxicity

##### Fish

**Product:** No data available.

##### Specified substance(s)

CYCLOPENTYLSILAZA NE-AMINOSILOXANE

COPOLYMER,

METHOXY

TERMINATED

gamma-Aminopropyltriethoxysilane No data available.

Dodecamethylcyclohexasilo-

xane No toxicity at the limit of solubility ; NOEC (Oncorhynchus mykiss, 91 d):

0,014 mg/l

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Dibutyltin Dilaurate No data available.  
Octamethylcyclotetrasiloxane No toxicity at the limit of solubility ; NOEC (Oncorhynchus mykiss, 93 d): >= 0,0044 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

CYCLOPENTYLSILAZA NE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED

gamma- Aminopropyltriethoxysilane No data available.

Dodecamethylcyclohexasiloxane No toxicity at the limit of solubility ; NOEC (Daphnia magna, 21 d): 0,0046 mg/l  
EC50 (Sediment Invertebrate, 28 d): > 420 mg/l  
LOEC (Sediment Invertebrate, 28 d): >= 420 mg/l

Dibutyltin Dilaurate No data available.  
Octamethylcyclotetrasiloxane No toxicity at the limit of solubility ; NOEC (Daphnia magna, 21 d): > 0,015 mg/l

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

CYCLOPENTYLSILAZA NE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED

gamma- Aminopropyltriethoxysilane EC50 (72 h): > 3,6 mg/l (OECD Test Guideline 201)

Dodecamethylcyclohexasiloxane No effects at the limit of solubility. ; 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)

Dibutyltin Dilaurate Fresh water ; EC50 (Desmodesmus subspicatus (green algae), 72 h): > 1 mg/l (OECD Test Guideline 201)

Octamethylcyclotetrasiloxane No toxicity at the limit of solubility ; ErC50 (Selenastrum capricornutum, 96 h): > 0,022 mg/l

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

CYCLOPENTYLSILAZAN E-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED

gamma- Aminopropyltriethoxysilane No data available.

Dodecamethylcyclohexasiloxane No data available.

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Dibutyltin Dilaurate Biological degradability (39 d): 23 % The product is not readily biodegradable.  
Octamethylcyclotetrasiloxane (29 d, 310 Ready Biodegradability - CO<sub>2</sub> in Sealed Vessels (Headspace Test)): 3,7 % Persistent Not readily biodegradable.

**BOD/COD Ratio**  
**Product**

No data available.

**Specified substance(s)**

CYCLOPENTYLSILAZAN No data available.  
E-AMINOSILOXANE  
COPOLYMER,  
METHOXY  
TERMINATED  
gamma-  
Aminopropyltriethoxysilane No data available.  
Dodecamethylcyclohexasilo  
xane No data available.  
Dibutyltin Dilaurate No data available.  
Octamethylcyclotetrasiloxane No data available.

**12.3 Bioaccumulative potential**

**Product:** No data available.

**Specified substance(s)**

CYCLOPENTYLSILAZAN No data available.  
E-AMINOSILOXANE  
COPOLYMER,  
METHOXY  
TERMINATED  
gamma-  
Aminopropyltriethoxysilane No data available.  
Dodecamethylcyclohexasilo  
xane No data available.  
Dibutyltin Dilaurate The product is not bioaccumulating.  
Octamethylcyclotetrasiloxane Bioconcentration Factor (BCF): 12.400

**12.4 Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**

CYCLOPENTYLSILAZANE No data available.  
-AMINOSILOXANE  
COPOLYMER, METHOXY  
TERMINATED  
gamma-  
Aminopropyltriethoxysilane No data available.  
Dodecamethylcyclohexasilo  
xane No data available.  
Dibutyltin Dilaurate No data available.  
Octamethylcyclotetrasiloxane No data available.

**12.5 Results of PBT and vPvB assessment:**

Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB)  
No data available.

CYCLOPENTYLSILAZANE -  
AMINOSILOXANE  
COPOLYMER, METHOXY  
TERMINATED

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gamma-Aminopropyltriethoxysilane Dodecamethylcyclohexasiloxane	No data available.  vPvB: very persistent and very bioaccumulative substance.	Dodecamethylcyclohexasiloxane (D6) meets the current EU REACH Annex XIII criteria for vPvB and has been added to the candidate list for Substances of very high concern (SVHC)., <i>However our understanding of the available science is that D6 does not behave similarly to known PBT/vPvB substances. The silicones industries interpretation of the available data is that the weight of scientific evidence from field studies shows that D6 is not biomagnifying in aquatic and terrestrial food webs. D6 in air will degrade by naturally occurring reactions in the atmosphere. Any D6 in air that does not degrade by these reactions is not expected to deposit from the air to water, to land, or to living organisms</i>
Dibutyltin Dilaurate Octamethylcyclotetrasiloxane	No data available. Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB)	Octamethylcyclotetrasiloxane (D4) meets the current EU REACH Annex XIII criteria for PBT and vPvB and has been added to the candidate list for Substances of very high concern (SVHC)., <i>However our understanding of the available science is that D4 does not behave similarly to known PBT/vPvB substances. The silicones industries interpretation of the available data is that the weight of scientific evidence from field studies shows that D4 is not biomagnifying in aquatic and terrestrial food webs. D4 in air will degrade by naturally occurring reactions in the atmosphere. Any D4 in air that does not degrade by these reactions is not expected to deposit from the air to water, to land, or to living organisms.</i>

**12.6 Endocrine disrupting properties:**

<b>Product:</b>	The substance/mixture does not contain components considered 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 levels of 0.1% or higher.
<b>Components:</b>	
CYCLOPENTYLSILA ZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED	No data available.
gamma-Aminopropyltriethoxysilane	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Dibutyltin Dilaurate	No data available.
Octamethylcyclotetrasiloxane	No data available.

**12.7 Other adverse effects:**

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**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.

**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:**

**EU Regulations**

**Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances:** none

**Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances:** none



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**EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended:** none

**Regulation (EC) No. 649/2012 Import and export of dangerous chemicals:** none

**Regulation (EC) No. 649/2012 Import and export of dangerous chemicals:**

Chemical name	CAS-No.	Concentration
Dibutyltin Dilaurate	77-58-7	0,1 - 1,0%

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:** none

**EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):**

Chemical name	CAS-No.	Concentration
Dodecamethylcyclohexasiloxane	540-97-6	0 - <=0,2940%

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

The packaging shall be visibly, legibly and indelibly marked as follows:  
 Restricted to professional users.

Chemical name	CAS-No.	Concentration
gamma-Aminopropyltriethoxysilane	919-30-2	0,1 - 1,0%
Dibutyltin Dilaurate	77-58-7	0,1 - 1,0%

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:**

Chemical name	CAS-No.	Concentration
Dibutyltin Dilaurate	77-58-7	0,1 - 1,0%

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:**

Chemical name	CAS-No.	Concentration
Dibutyltin Dilaurate	77-58-7	0,1 - 1,0%

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

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:**

Chemical name	CAS-No.	Concentration
Silica	7631-86-9	1,0 - 10%
Dibutyltin Dilaurate	77-58-7	0,1 - 1,0%

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

Chemical name	CAS-No.	Concentration
gamma-Aminopropyltriethoxysilane	919-30-2	0,1 - 1,0%
Dibutyltin Dilaurate	77-58-7	0,1 - 1,0%

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

**Inventory Status**

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Australia Industrial Chem. Act (AIC):	Not in compliance with the inventory.	Remarks: None.
Canada DSL Inventory List:	Q (quantity restricted)	Remarks: None.
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
REACH:	If purchased from Momentive Performance Materials GmbH in Leverkusen, Germany, all substances in this product have been registered by Momentive Performance Materials GmbH or upstream in our supply chain or are exempt from registration under Regulation (EC) No 1907/2006 (REACH). For polymers, this includes the constituent monomers and other reactants.	Remarks: None.

**SECTION 16: Other information**

**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 H-statements in section 2 and 3**

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H360FD	May damage fertility. May damage the unborn child.
H361f	Suspected of damaging fertility.
H370	Causes damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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**Training information:** No data available.

**Issue Date:** 28.02.2024

**Disclaimer:**

**Notice to reader**

Unless otherwise specified in section 1.2, Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

**Further Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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