# 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-W

### 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<br>Chempark Leverkusen Gebaeude V7<br>DE - 51368 Leverkusen<br>Germany |
| **Contact person** | : | commercial.services@momentive.com |
| **Telephone** | : | General information<br>+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.

**Precautionary Statements**

**Prevention:** P264: Wash hands thoroughly after handling.

**Response:** P305: IF IN EYES:
P351: Rinse cautiously with water for several minutes.
P338: Remove contact lenses, if present and easy to do. Continue rinsing.
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:** Silicone sealant

### 3.2 Mixtures

**General information:** No data available.

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

| | | | | | | |
|---|---|---|---|---|---|---|
| TERMINATED | | | | | | |
| gamma-Aminopropyltriethoxysilane | 0,1 - <1% | 919-30-2 | 213-048-4 | 01-2119480479-24-XXXX | Not applicable | |
| Octamethylcyclotetrasiloxane | 0,01 - <0,25% | 556-67-2 | 209-136-7 | 01-2119529238-36-XXXX | Aquatic Toxicity (Chronic): 10 | PBT, vPvB |
| Dibutyltin Dilaurate | 0,1 - <0,25% | 77-58-7 | 201-039-8 | 01-2119496068-27-XXXX | Aquatic Toxicity (Acute): 1 | # |
| Dodecamethylcyclohexasiloxane | 0,1 - <1% | 540-97-6 | 208-762-8 | 01-2119517435-42-XXXX | Not applicable | vPvB |
| Decamethylcyclopentasiloxane | 0,1 - <1% | 541-02-6 | 208-764-9 | 01-2119511367-43-XXXX | Not applicable | 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 |
|---|---|---|
| CYCLOPENTYLSILAZANE-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. |
| Octamethylcyclotetrasiloxane | Flam. Liq.: 3: H226; Repr.: 2: H361f; Aquatic Chronic: 1: H410; | |
| Dibutyltin Dilaurate | Skin Corr.: 1C: H314; Skin Sens.: 1: H317; Muta.: 2: H341; Repr.: 1B: H360FD; STOT SE: 1: H370; Eye Dam.: 1: H318; Aquatic Chronic: 1: H410; Aquatic Acute: 1: H400; No data available. | No data available. |
| Dodecamethylcyclohexasiloxane | No data available. | |
| Decamethylcyclopentasiloxane | No data available. | |

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.

**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:** 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!

**4.3 Indication of any immediate medical attention and special treatment needed**

**Hazards:** No information about adverse effects due to exposure.

**Treatment:** 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

**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:** Provide adequate ventilation. Use personal protective equipment. Keep container tightly closed and in a well-ventilated place. Caution: Contaminated surfaces may be slippery.

**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:** Remove sources of ignition.

## SECTION 7: Handling and storage:

**7.1 Precautions for safe handling:** Methanol is formed during processing. Wear appropriate personal protective equipment.

**Storage conditions:** Keep away from sources of ignition - No smoking. Store in original container.

**7.2 Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a cool, well-ventilated place.

**Storage Stability:** Material is stable under normal conditions.

**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 | Exposure Limit Values | Source |
|---|---|---|---|
| Silica - Respirable dust. | TWA | 4 mg/m3 | UK. EH40 Workplace Exposure Limits (WELs), as amended (01 2020) |
| Silica - Inhalable dust. | TWA | 10 mg/m3 | UK. EH40 Workplace Exposure Limits (WELs), as amended (01 2020) |
| | TWA | 6 mg/m3 | UK. EH40 Workplace Exposure Limits (WELs), as amended (01 2020) |
| Silica - Respirable dust. | TWA | 2,4 mg/m3 | UK. EH40 Workplace Exposure Limits (WELs), as amended (01 2020) |
| TITANIUM DIOXIDE - Inhalable | TWA | 10 mg/m3 | UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011) |
| TITANIUM DIOXIDE - Respirable. | TWA | 4 mg/m3 | UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011) |
| Dibutyltin Dilaurate - as Sn | TWA | 0,1 mg/m3 | UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011) |
| | STEL | 0,2 mg/m3 | UK. EH40 Workplace Exposure Limits (WELs), as amended (01 2020) |

**Biological Limit Values**

None.

**DNEL-Values**

| Critical component | Type | Route of Exposure | | Remarks |
|---|---|---|---|---|
| Dibutyltin Dilaurate | Workers | Dermal | 1 mg/kg bw/day | |
| | | Inhalation | 0,07 mg/m3 | |
| | | Dermal | 0,2 mg/kg bw/day | |
| | | Inhalation | 0,01 mg/m3 | |
| | Consumers | Dermal | 0,5 mg/kg bw/day | |
| | | Inhalation | 0,02 mg/m3 | |
| | | Ingestion | 0,01 mg/kg bw/day | |
| | | Dermal | 0,08 mg/kg bw/day | |
| | | Inhalation | 0,003 mg/m3 | |
| | | Ingestion | 0,002 mg/kg bw/day | |

**PNEC-Values**

**SNAPSIL™ TSE399-W**

| Critical component | Environmental compartment | | Remarks |
|---|---|---|---|
| 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 | |

**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: This recommendation is valid only for our Product as delivered. If this product will be mixed with other substances you need to contact a supplier of CE approved protective gloves (e.g. KCL GmbH, D-36124 Eichenzell, Tel. 0049 (0) 6659 87300, Fax. 0049 (0) 6659 87155, email: vertrieb@kcl.de).
Material: 730 Camatril
Glove thickness: 0,4 mm

**Other:** 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**

**Physical state:** liquid
**Form:** Paste
**Color:** White
**Odor:** Faint
**Odor Threshold:** No data available.
**pH:** No data available.
**Freezing point:** No data available.
**Boiling Point:** No data available.

| | |
|---|---|
| **Flash Point:** | ca. 198 °C |
| **Evaporation Rate:** | No data available. |
| **Flammability (solid, gas):** | No data available. |
| **Flammability Limit - Upper (%):** | No data available. |
| **Flammability Limit - Lower (%):** | No data available. |
| **Vapor pressure:** | No data available. |
| **Relative vapor density:** | No data available. |
| **Density:** | ca. 1,04 g/cm3 |
| **Relative density:** | No data available. |
| **Solubility(ies)** | |
| **Solubility in Water:** | Insoluble |
| **Solubility (other):** | No data available. |
| **Partition coefficient (n-octanol/water) Log Pow:** | No data available. |
| **Autoignition Temperature:** | > 450 °C |
| **Decomposition Temperature:** | No decomposition if stored and applied as directed. |
| **SADT:** | No data available. |
| **Viscosity, dynamic:** | No data available. |
| **Viscosity, kinematic:** | > 20,5 mm2/s (40 °C) |
| **Explosive properties:** | No data available. |
| **Oxidizing properties:** | No data available. |

**9.2 Other information**

| | |
|---|---|
| **Minimum ignition temperature:** | 450 °C |

## 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.

**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 toxicological effects

### Acute toxicity

**Oral**

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

**Specified substance(s)**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | LD 50 (Rat): 4.666 mg/kg |
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | LD 50 (Rat): > 4.800 mg/kg |
| Dibutyltin Dilaurate | LD 50 (Rat): 2.071 mg/kg |
| Dodecamethylcyclohexasiloxane | LD 50 (Rat): 2.000 mg/kg |
| Decamethylcyclopentasiloxane | No data available. |

**Dermal**

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

**Specified substance(s)**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | LD 50 (Rat): > 2.375 mg/kg |
| Dibutyltin Dilaurate | LD 50 (Rat): > 2.000 mg/kg |
| Dodecamethylcyclohexasiloxane | LD 50 (Rat): 2.000 mg/kg |
| Decamethylcyclopentasiloxane | LD 50 (Rabbit): > 2.000 mg/kg |

**Inhalation**

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

**Specified substance(s)**

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

| | |
|---|---|
| e | |
| Octamethylcyclotetrasiloxane | LC50 (Rat, 4 h): 36 mg/l |
| Dibutyltin Dilaurate | No data available. |
| Dodecamethylcyclohexasiloxane | No data available. |
| Decamethylcyclopentasiloxane | LC50 (Rat, 4 h): 8,67 mg/l |

**Repeated dose toxicity**

| | |
|---|---|
| **Product:** | No data available. |
| **Specified substance(s)** | |
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | NOAEL (Rat): 200 mg/kg/d<br>(Rat(males)): 147 mg/m³ |
| Octamethylcyclotetrasiloxane | No data available. |
| Dibutyltin Dilaurate | NOAEL (Rat(male and female), Oral, 28 d): 0,3 - 0,4 mg/l<br>NOAEL (Rat(males), Oral, 28 d): 1,9 - 2,3 mg/l<br>NOAEL (Rat(female), Oral, 28 d): 1,7 - 2,3 mg/l |
| Dodecamethylcyclohexasiloxane | NOAEL (Rat(male and female), Oral): 1.000 mg/kg |
| Decamethylcyclopentasiloxane | NOAEL (Rat(male and female), Oral, 90 d): 1.000 mg/kg<br>NOAEL (Rat(male and female), Dermal, 28 d): 1.600 mg/kg<br>NOAEC (Rat(male and female), Inhalation - vapor, 2 y): 160 ppm |

**Skin Corrosion/Irritation:**

| | |
|---|---|
| **Product:** | No data available. |
| **Specified substance(s)** | |
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | Draize (Rabbit, 4 h): Slightly irritating. |
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | OECD Test Guideline 404 (Rabbit): Non irritating |
| Dibutyltin Dilaurate | (Rabbit): Severe skin irritation. |
| Dodecamethylcyclohexasiloxane | OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit, 72 h): No skin irritation |
| Decamethylcyclopentasiloxane | OECD Test Guideline 404 (Rabbit, 72 h): Non irritating |

**Serious Eye Damage/Eye Irritation:**

| | |
|---|---|
| **Product:** | No data available. |
| **Specified substance(s)** | |
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | Draize (Rabbit, 24 h): Corrosive Risk of serious damage to eyes. |

| | |
|---|---|
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Non irritating |
| Dibutyltin Dilaurate | OECD Test Guideline 405 (Rabbit, 21 d): Strongly irritating. Irritating to eyes. |
| Dodecamethylcyclohexasiloxane | OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit, 72 h): No eye irritation Not irritating |
| Decamethylcyclopentasiloxane | OECD Test Guideline 405 (Rabbit, 72 h): 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 |
| Octamethylcyclotetrasiloxane | Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): Not sensitizing |
| Dibutyltin Dilaurate | Maximisation Test, OECD Test Guideline 406 (Guinea Pig): Sensitizer |
| Dodecamethylcyclohexasiloxane | Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): negative |
| Decamethylcyclopentasiloxane | LLNA (Local Lymph Node Assay), OECD Guideline 429 (LLNA) (Mouse): Non 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. |
| Octamethylcyclotetrasiloxane | Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic)<br>Mouse Lymphoma Assay (OECD Guidline 476): negative (not mutagenic) |
| Dibutyltin Dilaurate | Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic)<br>Mammalian cytogenicity test (OECD 476): negative |
| Dodecamethylcyclohexasiloxane | No data available. |
| Decamethylcyclopentasiloxane | Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic)<br>Mammalian cytogenicity test (Mouse Lymphoma Assay (OECD Guidline 476)): negative (not mutagenic)<br>Chromosomal aberration (OECD 473): 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. |
| Octamethylcyclotetrasiloxane | Chromosomal aberration (OECD 475) Inhalation (Rat, male and female): negative |
| Dibutyltin Dilaurate | Dominant lethal assay (OECD 478) Oral (Rat, male and female): negative (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Oral (Mouse)positive The health hazard evaluation is based on the toxicological properties of a similar material. |
| Dodecamethylcyclohexasiloxane | OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test) (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Intraperitoneal (Mouse, male and female): negative |
| Decamethylcyclopentasiloxane | (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female)negative (not mutagenic) Vapor. |

**Carcinogenicity**

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

**Reproductive toxicity**

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

| | |
|---|---|
| Decamethylcyclopentasiloxane | No data available. |

**Specific Target Organ Toxicity - Single Exposure**

| | |
|---|---|
| **Product:** | No data available. |

**Specified substance(s)**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | No data available. |
| Dibutyltin Dilaurate | No data available. |
| Dodecamethylcyclohexasiloxane | No data available. |
| Decamethylcyclopentasiloxane | No data available. |

**Specific Target Organ Toxicity - Repeated Exposure**

| | |
|---|---|
| **Product:** | No data available. |

**Specified substance(s)**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | No data available. |
| Dibutyltin Dilaurate | No data available. |
| Dodecamethylcyclohexasiloxane | No data available. |
| Decamethylcyclopentasiloxane | No data available. |

**Aspiration Hazard**

| | |
|---|---|
| **Product:** | No data available. |

**Specified substance(s)**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | No data available. |
| Dibutyltin Dilaurate | No data available. |
| Dodecamethylcyclohexasiloxane | No data available. |
| Decamethylcyclopentasiloxane | No data available. |

### 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:**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | No data available. |
| Dibutyltin Dilaurate | No data available. |
| Dodecamethylcyclohexasiloxane | No data available. |
| Decamethylcyclopentasiloxane | No data available. |

**Other effects:** No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | LC 50 (96 h): > 110 mg/l (OECD-Guideline 203 (Fish, Acute Toxicity Test)) |
| Octamethylcyclotetrasiloxane | No toxicity at the limit of solubility ; LC50 (Oncorhynchus mykiss, 96 h): > 0,022 mg/l |
| Dibutyltin Dilaurate | No data available. |
| Dodecamethylcyclohexasiloxane | No data available. |
| Decamethylcyclopentasiloxane | LC50 (Oncorhynchus mykiss, 96 h): > 0,0016 mg/l (OECD-Guideline 204) |

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, | No data available. |

| | |
|---|---|
| METHOXY TERMINATED | |
| gamma-Aminopropyltriethoxysilane | EC50 (Daphnia, 48 h): > 100 mg/l (OECD Test Guideline 202) |
| Octamethylcyclotetrasiloxane | No toxicity at the limit of solubility ; EC50 (Daphnia magna, 48 h): > 0,015 mg/l |
| Dibutyltin Dilaurate | Fresh water ; EC50 (Daphnia magna, 48 h): < 0,463 mg/l (OECD Test Guideline 202) |
| Dodecamethylcyclohexasiloxane | No data available. |
| Decamethylcyclopentasiloxane | EC50 (Daphnia magna, 48 h): > 0,0029 mg/l (OECD Test Guideline 202) |

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | No toxicity at the limit of solubility ; NOEC (Oncorhynchus mykiss, 93 d): >= 0,0044 mg/l |
| Dibutyltin Dilaurate | No data available. |
| Dodecamethylcyclohexasiloxane | No toxicity at the limit of solubility ; NOEC (Oncorhynchus mykiss, 91 d): 0,014 mg/l |
| Decamethylcyclopentasiloxane | NOEC (Oncorhynchus mykiss, 90 d): >= 0,0014 mg/l (OECD-Guideline 210)<br>LOEC (Oncorhynchus mykiss, 90 d): > 0,0014 mg/l (OECD-Guideline 210) |

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | No toxicity at the limit of solubility ; NOEC (Daphnia magna, 21 d): > 0,015 mg/l |
| Dibutyltin Dilaurate | No data available. |
| Dodecamethylcyclohexasiloxane | No toxicity at the limit of solubility ; NOEC (Daphnia magna, 21 d): 0,0046 mg/l<br>EC50 (Sediment Invertebrate, 28 d): > 420 mg/l<br>LOEC (Sediment Invertebrate, 28 d): >= 420 mg/l |
| Decamethylcyclopentasiloxane | NOEC (Daphnia magna, 21 d): >= 0,0015 mg/l (OECD-Guideline 211)<br>LOEC (Daphnia magna, 21 d): > 0,0015 mg/l |

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | EC50 (72 h): > 3,6 mg/l (OECD Test Guideline 201) |
| Octamethylcyclotetrasiloxane | No toxicity at the limit of solubility ; ErC50 (Selenastrum capricornutum, 96 h): > 0,022 mg/l |
| Dibutyltin Dilaurate | Fresh water ; EC50 (Desmodesmus subspicatus (green algae), 72 h): > 1 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)<br>No effects at the limit of solubility. ; NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): >= 0,002 mg/l (OECD Test Guideline 201) |
| Decamethylcyclopentasiloxane | EC50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 0,0012 mg/l (OECD Test Guideline 201)<br>NOEC : >= 0,0012 mg/l<br>EC10 : > 0,0012 mg/l |

## 12.2 Persistence and Degradability

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | (29 d, 310 Ready Biodegradability - $CO_2$ in Sealed Vessels (Headspace Test)): 3,7 % Persistent Not readily biodegradable. |
| Dibutyltin Dilaurate | Biological degradability (39 d): 23 % The product is not readily biodegradable. |
| Dodecamethylcyclohexasiloxane | No data available. |
| Decamethylcyclopentasiloxane | activated sludge (adaptation not specified) (28 d, OECD Test Guideline 310): 0,14 % The product is not readily biodegradable. |

**BOD/COD Ratio**

**Product** No data available.

**Specified substance(s)**

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

| | |
|---|---|
| Decamethylcyclopentasiloxane | No data available. |

**12.3 Bioaccumulative potential**

| | |
|---|---|
| **Product:** | No data available. |

**Specified substance(s)**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | Bioconcentration Factor (BCF): 12.400 |
| Dibutyltin Dilaurate | The product is not bioaccumulating. |
| Dodecamethylcyclohexasiloxane | No data available. |
| Decamethylcyclopentasiloxane | Fathead Minnow, Bioconcentration Factor (BCF): 7.060 (OECD Test Guideline 305) |

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

**Known or predicted distribution to environmental compartments**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | No data available. |
| Dibutyltin Dilaurate | No data available. |
| Dodecamethylcyclohexasiloxane | No data available. |
| Decamethylcyclopentasiloxane | No data available. |

| | |
|---|---|
| **12.5 Results of PBT and vPvB assessment:** | Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) |
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | No data available. |

| | | |
|---|---|---|
| Octamethylcyclotetrasiloxane | 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)., *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.* |
| Dibutyltin Dilaurate | No data available. | |
| Dodecamethylcyclohexasiloxane | 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)., *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* |
| Decamethylcyclopentasiloxane | vPvB: very persistent and very bioaccumulative substance. | Decamethylcyclopentasiloxane (D5) 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)., *However our understanding of the available science is that D5 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 D5 is not biomagnifying in aquatic and terrestrial food webs. D5 in air will degrade by naturally occurring reactions in the atmosphere. Any D5 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.* |

**12.6 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:**

| | |
|---|---|
| CYCLOPENTYLSILAZANE-AMINOSILOXANE COPOLYMER, METHOXY TERMINATED | No data available. |
| gamma-Aminopropyltriethoxysilane | No data available. |
| Octamethylcyclotetrasiloxane | No data available. |
| Dibutyltin Dilaurate | No data available. |
| Dodecamethylcyclohexasiloxane | No data available. |
| Decamethylcyclopentasiloxane | No data available. |

**12.7 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:** No data available.

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

## SECTION 14: Transport information

**ADR**

Not regulated.

**ADN**

Not regulated.

**RID**

Not regulated.

**IMDG**

Not regulated.

**IATA**

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 Transport in bulk according to Annex II of MARPOL and the IBC Code**:

Not applicable

## 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

**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 |
|---|---|---|
| Octamethylcyclotetrasiloxane | 556-67-2 | 0 - <=0,1900% |
| Dodecamethylcyclohexasiloxane | 540-97-6 | 0 - <=0,1400% |
| Decamethylcyclopentasiloxane | 541-02-6 | 0 - <=0,1000% |

**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 |
|---|---|---|
| TITANIUM DIOXIDE | 13463-67-7 | 0,1 - 1,0% |
| gamma-Aminopropyltriethoxysilane | 919-30-2 | 0,1 - 1,0% |
| Dibutyltin Dilaurate | 77-58-7 | 0,1 - 1,0% |
| Octamethylcyclotetrasiloxane | 556-67-2 | 0,1 - 1,0% |
| Decamethylcyclopentasiloxane | 541-02-6 | 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% |

| | | |
|---|---|---|
| Octamethylcyclotetrasiloxane | 556-67-2 | 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% |
| Octamethylcyclotetrasiloxane | 556-67-2 | 0,1 - 1,0% |

**EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:**

| Classification | Lower-tier Requirements | Upper-tier Requirements |
|---|---|---|
| P5a. Flammable liquids | | |
| P5b. Flammable liquids | | |
| P5c. Flammable liquids | | |
| Anhydrous Ammonia | | |
| E1. Hazardous to the aquatic environment | 100 t | 200 t |

**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% |
| TITANIUM DIOXIDE | 13463-67-7 | 0,1 - 1,0% |
| 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% |
| Octamethylcyclotetrasiloxane | 556-67-2 | 0,1 - 1,0% |

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

**Inventory Status**

| | | |
|---|---|---|
| EU EINECS List: | On or in compliance with the inventory | Remarks: None. |
| Japan (ENCS) List: | On or in compliance with the inventory | Remarks: None. |
| China Inventory of Existing Chemical Substances: | On or in compliance with the inventory | Remarks: None. |
| Korea Existing Chemicals Inv. (KECI): | On or 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. |
| Philippines PICCS: | On or in compliance with the inventory | Remarks: None. |
| US TSCA Inventory: | On or in compliance with the inventory | Remarks: On TSCA Inventory |
| Taiwan. Taiwan inventory (CSNN): | On or in compliance with the inventory | Remarks: None. |
| Australia AICS: | Not in compliance with the inventory. | Remarks: None. |
| New Zealand Inventory of Chemicals: | Not in compliance with the inventory. | Remarks: None. |

| | | |
|---|---|---|
| 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. |
| Australia Industrial Chem. Act (AIIC): | Not in compliance with the inventory. | Remarks: None. |
| China Inv. Existing Chemical Substances: | On or in compliance with the inventory | Remarks: None. |
| Taiwan Chemical Substance Inventory: | On or in compliance with the inventory | 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 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

**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. |

**Training information:** No data available.

**Issue Date:** 02.12.2022

**SNAPSIL™ TSE399-W**

**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 asa guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrantyor 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.