

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

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

### 1.1 Product identifier

Product name: RTV 108Q

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

Identified uses: Silicone Elastomer

Uses advised against: Not known.

### 1.3 Details of the supplier of the safety data sheet

:  
, ,

## 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.**

#### Environmental Hazards

Chronic hazards to the aquatic environment

Category 3

H412: Harmful to aquatic life with long lasting effects.

### 2.2 Label Elements

**Hazard Statement(s):** H412: Harmful to aquatic life with long lasting effects.

#### Precautionary Statements

**Prevention:** P273: Avoid release to the environment.

**Disposal:** P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

#### Unknown toxicity - Environment

Acute hazards to the aquatic environment 1,02 %

Chronic hazards to the aquatic environment 1,02 %

**Additional Information:** No data available.

**2.3 Other hazards** No data available.

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**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     |
|-------------------------------|---------------|----------|-----------|------------------------|--------------------|-----------|
| Octamethylcyclotetrasiloxane  | 1 - <3%       | 556-67-2 | 209-136-7 | 01-2119529238-36-XXXX  | No data available. | PBT, vPvB |
| Decamethylcyclopentasiloxane  | 0,1 - <1%     | 541-02-6 | 208-764-9 | 01-2119511367-43-0002  | No data available. | vPvB      |
| Dodecamethylcyclohexasiloxane | 0,1 - <1%     | 540-97-6 | 208-762-8 | 01-2119517435-42-0001  | No data available. | vPvB      |
| Acetic acid                   | 0,1 - <1%     | 64-19-7  | 200-580-7 | 01-2119475328-30-XXXX  | No data available. | #         |

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

# # This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

**Classification**

| Chemical name                 | Classification                                                  | Notes              |
|-------------------------------|-----------------------------------------------------------------|--------------------|
| Octamethylcyclotetrasiloxane  | Flam. Liq.: 3: H226; Repr.: 2: H361f; Aquatic Chronic: 2: H411; | No data available. |
| Decamethylcyclopentasiloxane  | No data available.                                              |                    |
| Dodecamethylcyclohexasiloxane | No data available.                                              |                    |
| Acetic acid                   | Flam. Liq.: 3: H226; Skin Corr.: 1A: H314; Eye Dam.: 1: H318;   | Note B             |

CLP: Regulation No. 1272/2008.

**SECTION 4: First aid measures**

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

**4.1 Description of first aid measures**

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

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

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

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

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- 4.2 Most important symptoms and effects, both acute and delayed:** No data available.
- 4.3 Indication of any immediate medical attention and special treatment needed**
- Hazards:** No data available.
- Treatment:** Treatment is symptomatic and supportive.

**SECTION 5: Firefighting measures**

- General Fire Hazards:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- 5.1 Extinguishing media**
- Suitable extinguishing media:** All standard extinguishing agents are suitable.
- Unsuitable extinguishing media:** Do not use water jet.
- 5.2 Special hazards arising from the substance or mixture:** In case of fire, carbon monoxide and carbon dioxide may be formed. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. Pay attention to the corrosive effects arising from contact with water. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.
- 5.3 Advice for firefighters**
- Special fire fighting procedures:** Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**SECTION 6: Accidental release measures**

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

**SECTION 7: Handling and storage:**

- 7.1 Precautions for safe handling:** Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes, skin, and clothing. Acetic acid is formed during processing. Wear appropriate personal protective equipment.
- Storage conditions:** No data available.

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

**Storage Stability:** Stable

**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  | 2,4 mg/m <sup>3</sup>       | UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)                                                                                    |
| Silica - Inhalable dust.  | TWA  | 6 mg/m <sup>3</sup>         | UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)                                                                                    |
| Acetic acid               | TWA  | 10 ppm 25 mg/m <sup>3</sup> | EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009) |
|                           | STEL | 20 ppm 50 mg/m <sup>3</sup> | EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (02 2017) |
|                           | TWA  | 10 ppm 25 mg/m <sup>3</sup> | EU. Scientific Committee on Occupational Exposure Limit Values (SCOELs), European Commission - SCOEL, as amended (2014)                            |
|                           | STEL | 20 ppm 50 mg/m <sup>3</sup> | EU. Scientific Committee on Occupational Exposure Limit Values (SCOELs), European Commission - SCOEL, as amended (2014)                            |

**Biological Limit Values**

None.

**8.2 Exposure controls**

**Appropriate Engineering Controls:** Provide adequate general and local exhaust ventilation. Eye washes and showers for emergency use.

**Individual protection measures, such as personal protective equipment**

**General information:** No data available.

**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.

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

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

**Environmental exposure controls:** No data available.

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**SECTION 9: Physical and chemical properties**

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

**Appearance**

|                                                         |                                                     |
|---------------------------------------------------------|-----------------------------------------------------|
| <b>Physical state:</b>                                  | solid                                               |
| <b>Form:</b>                                            | Paste                                               |
| <b>Color:</b>                                           | Colorless                                           |
| <b>Odor:</b>                                            | Acetic acid.                                        |
| <b>Odor Threshold:</b>                                  | No data available.                                  |
| <b>pH:</b>                                              | No data available.                                  |
| <b>Melting Point:</b>                                   | No data available.                                  |
| <b>Boiling Point:</b>                                   | No data available.                                  |
| <b>Flash Point:</b>                                     | > 93,3 °C (estimated)                               |
| <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>Vapor density (air=1):</b>                           | No data available.                                  |
| <b>Density:</b>                                         | ca. 1.060 g/cm <sup>3</sup>                         |
| <b>Relative density:</b>                                | 1,06                                                |
| <b>Solubility(ies)</b>                                  |                                                     |
| <b>Solubility in Water:</b>                             | Insoluble                                           |
| <b>Solubility (other):</b>                              | Toluene                                             |
| <b>Partition coefficient (n-octanol/water) Log Pow:</b> | No data available.                                  |
| <b>Autoignition Temperature:</b>                        | No data available.                                  |
| <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**

No data available.

**SECTION 10: Stability and reactivity**

|                                                 |                                                                                                                                                             |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>10.1 Reactivity:</b>                         | No data available.                                                                                                                                          |
| <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.                                                                                                                    |
| <b>10.4 Conditions to avoid:</b>                | Reacts with water liberating small amounts of acetic acid.                                                                                                  |
| <b>10.5 Incompatible Materials:</b>             | Strong Acids, Strong Bases Water.                                                                                                                           |
| <b>10.6 Hazardous Decomposition Products:</b>   | Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation. |

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**SECTION 11: Toxicological information**

**General information:** Experience has shown, that the above mentioned product can be used without any danger to health, as long as the usual conditions of industrial hygiene are observed.

**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)**

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

Decamethylcyclopentasiloxane No data available.

Dodecamethylcyclohexasiloxane LD 50 (Rat): 2.000 mg/kg

Acetic acid LD 50 (Rat): 3.310 mg/kg

**Dermal**

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

**Specified substance(s)**

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

Decamethylcyclopentasiloxane LD 50 (Rabbit): > 2.000 mg/kg

Dodecamethylcyclohexasiloxane LD 50 (Rat): 2.000 mg/kg

Acetic acid No data available.

**Inhalation**

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

**Specified substance(s)**

Octamethylcyclotetrasiloxane LC50 (Rat, 4 h): 36 mg/l

Decamethylcyclopentasiloxane LC50 (Rat, 4 h): 8,67 mg/l

Dodecamethylcyclohexasiloxane No data available.

Acetic acid No data available.

**Repeated dose toxicity**

**Product:** NOAEL (Rat(male and female), Inhalation(vapour) ): 150 mg/kg (OECD 453)

NOAEL (Rabbit(male and female), Dermal): 1 mg/kg (OECD 410)

**Specified substance(s)**

Octamethylcyclotetrasiloxane No data available.

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|                               |                                                                                                                                                                                    |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ane                           |                                                                                                                                                                                    |
| 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 |
| Dodecamethylcyclohexasiloxane | NOAEL (Rat(male and female), Oral): 1.000 mg/kg                                                                                                                                    |
| Acetic acid                   | No data available.                                                                                                                                                                 |

**Skin Corrosion/Irritation:** Not irritating  
**Product:** No data available.

**Specified substance(s)**

|                               |                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------|
| Octamethylcyclotetrasiloxane  | OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit): Slightly irritating.     |
| Decamethylcyclopentasiloxane  | OECD Test Guideline 404 (Rabbit, 72 h): Non irritating                                    |
| Dodecamethylcyclohexasiloxane | OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit, 72 h): No skin irritation |
| Acetic acid                   | No data available.                                                                        |

**Serious Eye Damage/Eye Irritation:** Not irritating

**Product:** No data available.

**Specified substance(s)**

|                               |                                                                                                      |
|-------------------------------|------------------------------------------------------------------------------------------------------|
| Octamethylcyclotetrasiloxane  | OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Non irritating Not irritating          |
| Decamethylcyclopentasiloxane  | OECD Test Guideline 405 (Rabbit, 72 h): Non irritating                                               |
| Dodecamethylcyclohexasiloxane | OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit, 72 h): No eye irritation Not irritating |
| Acetic acid                   | No data available.                                                                                   |

**Respiratory or Skin Sensitization:**

**Product:** No data available.

**Specified substance(s)**

|                               |                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------|
| Octamethylcyclotetrasiloxane  | Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): Not sensitizing |
| Decamethylcyclopentasiloxane  | LLNA (Local Lymph Node Assay), OECD Guideline 429 (LLNA) (Mouse): Non sensitizing.       |
| Dodecamethylcyclohexasiloxane | Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): negative        |
| Acetic acid                   | No data available.                                                                       |

**Germ Cell Mutagenicity**

**In vitro**

**Product:** Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic)  
Mouse Lymphoma Assay (OECD Guideline 476): negative (not mutagenic)

**Specified substance(s)**

|                              |                                                                                                                                                                                                                                                                                                   |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Octamethylcyclotetrasiloxane | Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic)<br>Mouse Lymphoma Assay (OECD Guideline 476): negative (not mutagenic)                                                                                              |
| Decamethylcyclopentasiloxane | Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic)<br>Mammalian cytogenicity test (Mouse Lymphoma Assay (OECD Guideline 476)): negative (not mutagenic)<br>Chromosomal aberration (OECD 473): negative (not mutagenic) |

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|                                   |                                                                                                                  |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------|
| Dodecamethylcyclohexas<br>iloxane | Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella<br>typhimurium, Reverse Mutation Assay)): negative |
| Acetic acid                       | No data available.                                                                                               |

**In vivo**

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

**Specified substance(s)**

|                                   |                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Octamethylcyclotetrasilox<br>ane  | Chromosomal aberration (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female): negative<br>Dominant lethal assay (OECD 478) Oral (Rat, male and female): negative<br>(OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female): negative (not mutagenic) Vapor. |
| Decamethylcyclopentasil<br>oxane  | OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test) (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Intraperitoneal (Mouse, male and female): negative                                                                                                                                                                   |
| Dodecamethylcyclohexas<br>iloxane | No data available.                                                                                                                                                                                                                                                                                                                           |
| Acetic acid                       | No data available.                                                                                                                                                                                                                                                                                                                           |

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**

|                                   |                    |
|-----------------------------------|--------------------|
| Octamethylcyclotetrasilox<br>ane  | No data available. |
| Decamethylcyclopentasil<br>oxane  | No data available. |
| Dodecamethylcyclohexas<br>iloxane | No data available. |
| Acetic acid                       | No data available. |

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

|                                   |                    |
|-----------------------------------|--------------------|
| Octamethylcyclotetrasilox<br>ane  | No data available. |
| Decamethylcyclopentasil<br>oxane  | No data available. |
| Dodecamethylcyclohexas<br>iloxane | No data available. |
| Acetic acid                       | No data available. |

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s)**

|                                   |                    |
|-----------------------------------|--------------------|
| Octamethylcyclotetrasilox<br>ane  | No data available. |
| Decamethylcyclopentasil<br>oxane  | No data available. |
| Dodecamethylcyclohexas<br>iloxane | No data available. |
| Acetic acid                       | No data available. |

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s)**

|                                  |                    |
|----------------------------------|--------------------|
| Octamethylcyclotetrasilox<br>ane | No data available. |
|----------------------------------|--------------------|

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|                               |                    |
|-------------------------------|--------------------|
| Decamethylcyclopentasiloxane  | No data available. |
| Dodecamethylcyclohexasiloxane | No data available. |
| Acetic acid                   | No data available. |

**Aspiration Hazard**

|                 |                    |
|-----------------|--------------------|
| <b>Product:</b> | No data available. |
|-----------------|--------------------|

**Specified substance(s)**

|                               |                    |
|-------------------------------|--------------------|
| Octamethylcyclotetrasiloxane  | No data available. |
| Decamethylcyclopentasiloxane  | No data available. |
| Dodecamethylcyclohexasiloxane | No data available. |
| Acetic acid                   | No data available. |

|                       |                    |
|-----------------------|--------------------|
| <b>Other effects:</b> | No data available. |
|-----------------------|--------------------|

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

|                 |                    |
|-----------------|--------------------|
| <b>Product:</b> | No data available. |
|-----------------|--------------------|

**Specified substance(s)**

|                               |                                                                                                                                                                                                                                                                                                                |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Octamethylcyclotetrasiloxane  | No data available.                                                                                                                                                                                                                                                                                             |
| Decamethylcyclopentasiloxane  | LC50 (Oncorhynchus mykiss, 96 h): > 0,0016 mg/l (OECD-Guideline 204)                                                                                                                                                                                                                                           |
| Dodecamethylcyclohexasiloxane | No data available.                                                                                                                                                                                                                                                                                             |
| Acetic acid                   | LC50 (Lepomis macrochirus, 96 h): 75 mg/l (No data available.)<br>LC0 (Leuciscus idus): 368 mg/l (No data available.)<br>LC100 (Leuciscus idus): 452 mg/l (No data available.)<br>LC50 (Leuciscus idus, 48 h): 410 mg/l (No data available.)<br>LC50 (Pimephales promelas, 96 h): 88 mg/l (No data available.) |

**Aquatic Invertebrates**

|                 |                                          |
|-----------------|------------------------------------------|
| <b>Product:</b> | EC50 (Daphnia magna, 48 h): > 0,015 mg/l |
|-----------------|------------------------------------------|

**Specified substance(s)**

|                               |                                                                                                                |
|-------------------------------|----------------------------------------------------------------------------------------------------------------|
| Octamethylcyclotetrasiloxane  | No data available.                                                                                             |
| Decamethylcyclopentasiloxane  | EC50 (Daphnia magna, 48 h): > 0,0029 mg/l (OECD Test Guideline 202)                                            |
| Dodecamethylcyclohexasiloxane | No data available.                                                                                             |
| Acetic acid                   | LC0 (Daphnia magna): 150 mg/l (No data available.)<br>EC50 (Daphnia magna, 24 h): 95 mg/l (No data available.) |

**Chronic Toxicity**

**Fish**

|                 |                                             |
|-----------------|---------------------------------------------|
| <b>Product:</b> | LC50 (Oncorhynchus mykiss, 14 d): 0,01 mg/l |
|-----------------|---------------------------------------------|

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### Specified substance(s)

|                               |                                                                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Octamethylcyclotetrasiloxane  | No data available.                                                                                                                                  |
| Decamethylcyclopentasiloxane  | NOEC (Oncorhynchus mykiss, 90 d): $\geq 0,0014$ mg/l (OECD-Guideline 210)<br>LOEC (Oncorhynchus mykiss, 90 d): $> 0,0014$ mg/l (OECD-Guideline 210) |
| Dodecamethylcyclohexasiloxane | NOEC (Pimephales promelas, 49 d): $0,0044$ mg/l                                                                                                     |
| Acetic acid                   | No data available.                                                                                                                                  |

### Aquatic Invertebrates

|                 |                                            |
|-----------------|--------------------------------------------|
| <b>Product:</b> | EC50 (Daphnia magna, 21 d): $> 0,015$ mg/l |
|-----------------|--------------------------------------------|

### Specified substance(s)

|                               |                                                                                                                                                      |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Octamethylcyclotetrasiloxane  | No data available.                                                                                                                                   |
| Decamethylcyclopentasiloxane  | NOEC (Daphnia magna, 21 d): $\geq 0,0015$ mg/l (OECD-Guideline 211)<br>LOEC (Daphnia magna, 21 d): $> 0,0015$ mg/l                                   |
| Dodecamethylcyclohexasiloxane | NOEC (Daphnia magna, 21 d): $0,0046$ mg/l<br>EC50 (Sediment Invertebrate, 28 d): $> 420$ mg/l<br>LOEC (Sediment Invertebrate, 28 d): $\geq 420$ mg/l |
| Acetic acid                   | No data available.                                                                                                                                   |

### Toxicity to Aquatic Plants

|                 |                    |
|-----------------|--------------------|
| <b>Product:</b> | No data available. |
|-----------------|--------------------|

### Specified substance(s)

|                               |                                                                                                                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Octamethylcyclotetrasiloxane  | No data available.                                                                                                                                                                                  |
| Decamethylcyclopentasiloxane  | EC50 (Algae (Pseudokirchneriella subcapitata), 96 h): $> 0,0012$ mg/l (OECD Test Guideline 201)<br>NOEC : $\geq 0,0012$ mg/l<br>EC10 : $> 0,0012$ mg/l                                              |
| Dodecamethylcyclohexasiloxane | EC50 (Algae (Pseudokirchneriella subcapitata), 72 h): $> 0,002$ mg/l (OECD Test Guideline 201)<br>NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): $\geq 0,002$ mg/l (OECD Test Guideline 201) |
| Acetic acid                   | No data available.                                                                                                                                                                                  |

## 12.2 Persistence and Degradability

### Biodegradation

|                 |                    |
|-----------------|--------------------|
| <b>Product:</b> | No data available. |
|-----------------|--------------------|

### Specified substance(s)

|                               |                                                                                                                                      |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Octamethylcyclotetrasiloxane  | (29 d, 310 Ready Biodegradability - CO <sub>2</sub> in Sealed Vessels (Headspace Test)): 3,7 % Persistent Not readily biodegradable. |
| Decamethylcyclopentasiloxane  | activated sludge (adaptation not specified) (28 d, OECD Test Guideline 310): 0,14 % The product is not readily biodegradable.        |
| Dodecamethylcyclohexasiloxane | No data available.                                                                                                                   |
| Acetic acid                   | Biological degradability (5 d, No data available.): 60 %                                                                             |

### BOD/COD Ratio

|                |                    |
|----------------|--------------------|
| <b>Product</b> | No data available. |
|----------------|--------------------|

### Specified substance(s)

|                               |                    |
|-------------------------------|--------------------|
| Octamethylcyclotetrasiloxane  | No data available. |
| Decamethylcyclopentasiloxane  | No data available. |
| Dodecamethylcyclohexasiloxane | No data available. |

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Acetic acid No data available.

**12.3 Bioaccumulative potential**

**Product:** No data available.

**Specified substance(s)**

|                               |                                                                                |
|-------------------------------|--------------------------------------------------------------------------------|
| Octamethylcyclotetrasiloxane  | Fathead Minnow, Bioconcentration Factor (BCF): 12,40                           |
| Decamethylcyclopentasiloxane  | Fathead Minnow, Bioconcentration Factor (BCF): 7.060 (OECD Test Guideline 305) |
| Dodecamethylcyclohexasiloxane | No data available.                                                             |
| Acetic acid                   | No data available.                                                             |

**12.4 Mobility in soil:**

No data available.

**Known or predicted distribution to environmental compartments**

|                               |                    |
|-------------------------------|--------------------|
| Octamethylcyclotetrasiloxane  | No data available. |
| Decamethylcyclopentasiloxane  | No data available. |
| Dodecamethylcyclohexasiloxane | No data available. |
| Acetic acid                   | No data available. |

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

|                              |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| 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.         |

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|                                    |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dodecamethylcyclhexasiloxane       | vPvB: very persistent and very bioaccumulative substance. | Dodecamethylcyclhexasiloxane (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 |
| Acetic acid                        | No data available.                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>12.6 Other adverse effects:</b> | No data available.                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

|                             |                                                               |
|-----------------------------|---------------------------------------------------------------|
| <b>General information:</b> | No data available.                                            |
| <b>Disposal methods:</b>    | 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.

|                                           |                                                                                                                                                                                                                                                         |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>14.6 Special precautions for user:</b> | This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Keep away from foodstuffs and animal feed. keep away from odour sensitive materials Protect from moisture. |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 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

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. 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 - <=2,99%   |
| Decamethylcyclopentasiloxane  | 541-02-6 | 0 - <=0,8867% |
| Dodecamethylcyclohexasiloxane | 540-97-6 | 0 - <=0,6133% |

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

| Chemical name                | CAS-No.  | Concentration |
|------------------------------|----------|---------------|
| Octamethylcyclotetrasiloxane | 556-67-2 | 1,0 - 10%     |
| 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.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

Directive 2012/18/EU (Seveso III): on the control of major accident hazards involving dangerous substances:

| Chemical name | CAS-No. | Concentration |
|---------------|---------|---------------|
| Acetic acid   | 64-19-7 | 0,1 - 1,0%    |

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: none

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

| Chemical name                | CAS-No.  | Concentration |
|------------------------------|----------|---------------|
| Octamethylcyclotetrasiloxane | 556-67-2 | 1,0 - 10%     |
| Acetic acid                  | 64-19-7  | 0,1 - 1,0%    |

### 15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

#### Inventory Status

|                            |                                        |                |
|----------------------------|----------------------------------------|----------------|
| Australia AICS:            | On or in compliance with the inventory | Remarks: None. |
| Canada DSL Inventory List: | Q (quantity restricted)                | Remarks: None. |
| EINECS, ELINCS or NLP:     | On or in compliance with the inventory | Remarks: None. |

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|                                          |                                                                                                                                                                                                                                                                                                                                                                  |                |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Japan (ENCS) List:                       | On or in compliance with the inventory                                                                                                                                                                                                                                                                                                                           | Remarks: None. |
| China Inv. 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 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: None. |
| New Zealand Inventory of Chemicals:      | On or in compliance with the inventory                                                                                                                                                                                                                                                                                                                           | Remarks: None. |
| Taiwan Chemical Substance Inventory:     | On or 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. |

**SECTION 16: Other information**

**Revision Information:** Not relevant.

**Key literature references and sources for data:** No data available.

**Wording of the H-statements in section 2 and 3**

|       |                                                    |
|-------|----------------------------------------------------|
| H226  | Flammable liquid and vapor.                        |
| H314  | Causes severe skin burns and eye damage.           |
| H318  | Causes serious eye damage.                         |
| H361f | Suspected of damaging fertility.                   |
| H411  | Toxic to aquatic life with long lasting effects.   |
| H412  | Harmful to aquatic life with long lasting effects. |

**Training information:** No data available.

**Issue Date:** 15.04.2020

**Disclaimer:**