

# 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: RTV 116

UFI: PNP0-Q0RN-300H-HURW

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

Identified uses: Professional

Uses advised against: Not known.

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

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

**Contact person** : commercial.services@momentive.com

**Telephone** : General information  
+390510924300 (Customer Service Centre)

### 1.4

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

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

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

Not classified

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

**2.2 Label Elements** Not applicable

#### Supplemental label information

EUH210: Safety data sheet available on request.

**Additional Information:** No data available.

**RTV 116**

**2.3 Other hazards**

**PBT/vPvB data**

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

**Endocrine disrupting properties-Toxicity**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Endocrine disrupting properties-ecotoxicity**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

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

**3.2 Mixtures**

**General information:** No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Octamethylcyclotetrasiloxane	0,25 - <1%	556-67-2	209-136-7	01-2119529238-36-XXXX	Aquatic Toxicity (Chronic): 10	PBT, vPvB

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

# This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

**Classification**

Chemical name	Classification	Notes
Octamethylcyclotetrasiloxane	Flam. Liq.: 3: H226; Repr.: 2: H361f; Aquatic Chronic: 1: H410;	

CLP: Regulation No. 1272/2008.

**SECTION 4: First aid measures**

**General:** Get medical attention if symptoms occur.

**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.

**RTV 116**

<b>Skin Contact:</b>	After contact with skin, remove product mechanically. Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Ingestion:</b>	Rinse mouth. Do not induce vomiting. Consult a physician for specific advice.
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	No data available.
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
<b>Hazards:</b>	No data available.
<b>Treatment:</b>	Treatment is symptomatic and supportive.

**SECTION 5: Firefighting measures**

**General Fire Hazards:** Use standard firefighting procedures and consider the hazards of other involved materials. 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:** In case of fire, carbon monoxide and carbon dioxide may be formed. Use water spray to keep fire-exposed containers cool.

**5.3 Advice for firefighters**  
**Special fire-fighting procedures:** Keep away from sources of ignition - No smoking. Static discharge: material can accumulate static charges which may cause an incendiary electrical discharge.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Wash skin thoroughly with soap and water. Keep container tightly closed and in a well-ventilated place. See Section 8 of the SDS for Personal Protective Equipment. Avoid contact with skin and eyes.

**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. Caution: Contaminated surfaces may be slippery.

**6.4 Reference to other sections:** Prevent runoff from entering drains, sewers, or streams. Caution: Contaminated surfaces may be slippery.

**SECTION 7: Handling and storage:**

**RTV 116**

<b>7.1 Precautions for safe handling:</b>	Acetic acid is formed during processing. Wear appropriate personal protective equipment. Product may charge electrostatically during pouring or filling. Use only in well-ventilated areas. Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Keep containers tightly closed.
<b>Storage conditions:</b>	Keep away from sources of ignition - No smoking. Store in original container.
<b>7.2 Conditions for safe storage, including any incompatibilities:</b>	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed and in a well-ventilated place.
<b>Storage Stability:</b>	Material is stable under normal conditions.
<b>7.3 Specific end use(s):</b>	No data available.

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

**8.1 Control Parameters**

**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Biological Limit Values**

None.

**8.2 Exposure controls**

**Appropriate Engineering Controls:**

Eyewash bottle with clean water. Use only in well-ventilated areas. Observe good industrial hygiene practices.

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

**General information:**

Eyewash bottle with clean water. Use only in well-ventilated areas. When using do not eat, drink or smoke. Wash hands after handling.

**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](mailto:vertrieb@kcl.de)).

Material: 730 Camatril  
 Minimum break through time: 480 min  
 Glove thickness: 0,4 mm  
 Guideline: EN 374

**Other:**

No data available.

**Respiratory Protection:**

Respirator with a vapour filter (EN 141) If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Respiratory protection mask with Filtertype ABEK

**Hygiene measures:**

Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation, especially in confined areas. Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke.

**RTV 116**

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

**SECTION 9: Physical and chemical properties**

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

**Appearance**

<b>Physical state:</b>	liquid
<b>Form:</b>	Paste
<b>Color:</b>	Red
<b>Odor:</b>	Acetic acid.
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	Not applicable
<b>Freezing point:</b>	No data available.
<b>Boiling Point:</b>	Not applicable
<b>Flash Point:</b>	> 94 °C (Closed Cup) Product does not flash below 93.3C (200F) during test; no actual flash point >93.3 C was determined.
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%):</b>	No data available.
<b>Flammability Limit - Lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative vapor density:</b>	No data available.
<b>Density:</b>	ca. 1,09 g/cm <sup>3</sup>
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	No data available.
<b>Autoignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	Material is stable under normal conditions.
<b>SADT:</b>	No data available.
<b>Viscosity, dynamic:</b>	No data available.
<b>Viscosity, kinematic:</b>	No data available.
<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>	Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>10.4 Conditions to avoid:</b>	Reacts with water liberating small amounts of acetic acid.

**RTV 116**

- 10.5 Incompatible Materials:** Strong Acids, Strong Bases
- 10.6 Hazardous Decomposition Products:** Carbon oxides Oxides of silicon. Acetic acid. 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:** Our Experience shows that our Silicone Elastomer products can be handled without risk to health if used properly and if the usual precautions for 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

**Dermal**

- Product:** Not classified for acute toxicity based on available data.
- Specified substance(s)**  
 Octamethylcyclotetrasiloxane LD 50 (Rat): > 2.375 mg/kg

**Inhalation**

- Product:** Not classified for acute toxicity based on available data.
- Specified substance(s)**  
 Octamethylcyclotetrasiloxane LC50 (Rat, 4 h): 36 mg/l

**Repeated dose toxicity**

- Product:** No data available.
- Specified substance(s)**  
 Octamethylcyclotetrasiloxane No data available.

**Skin Corrosion/Irritation:**

- Product:** No data available.
- Specified substance(s)**  
 Octamethylcyclotetrasiloxane OECD Test Guideline 404 (Rabbit): Non irritating

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

**RTV 116**

<b>Product:</b>	OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Non irritating The health hazard evaluation is based on the toxicological properties of a similar material.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Non irritating
<b>Respiratory or Skin Sensitization:</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): Not sensitizing
<b>Germ Cell Mutagenicity</b>	
<b>In vitro</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic) Mouse Lymphoma Assay (OECD Guideline 476): negative (not mutagenic)
<b>In vivo</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	Chromosomal aberration (OECD 475) Inhalation (Rat, male and female): negative Dominant lethal assay (OECD 478) Oral (Rat, male and female): negative
<b>Carcinogenicity</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	No data available.
<b>Reproductive toxicity</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	No data available.
<b>Specific Target Organ Toxicity - Single Exposure</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	No data available.
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	No data available.
<b>Aspiration Hazard</b>	

**RTV 116**

**Product:** No data available.

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

**Aquatic Invertebrates**

**Product:** No data available.

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

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**  
 Octamethylcyclotetrasiloxane No toxicity at the limit of solubility ; NOEC (Oncorhynchus mykiss, 93 d): >= 0,0044 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**  
 Octamethylcyclotetrasiloxane No toxicity at the limit of solubility ; NOEC (Daphnia magna, 21 d): > 0,015 mg/l

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**  
 Octamethylcyclotetrasiloxane No toxicity at the limit of solubility ; ErC50 (Selenastrum capricornutum, 96



**RTV 116**

ane h): > 0,022 mg/l

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** 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.

**BOD/COD Ratio**

**Product** No data available.

**Specified substance(s)**

Octamethylcyclotetrasiloxane No data available.

**12.3 Bioaccumulative potential**

**Product:** No data available.

**Specified substance(s)**

Octamethylcyclotetrasiloxane Bioconcentration Factor (BCF): 12.400

**12.4 Mobility in soil:**

No data available.

**Known or predicted distribution to environmental compartments**

Octamethylcyclotetrasiloxane No data available.

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

Octamethylcyclotetrasiloxane	Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB)	Octamethylcyclotetrasiloxane (D4) meets the current EU REACH Annex XIII criteria for PBT and vPvB and has been added to the candidate list for Substances of very high concern (SVHC)., <i>However our understanding of the available science is that D4 does not behave similarly to known PBT/vPvB substances. The silicones industries interpretation of the available data is that the weight of scientific evidence from field studies shows that D4 is not biomagnifying in aquatic and terrestrial food webs. D4 in air will degrade by naturally occurring reactions in the atmosphere. Any D4 in air that does not degrade by these reactions is not expected to deposit from the air to water, to land, or to living organisms.</i>
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**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:**

Octamethylcyclotetrasiloxane No data available.

**RTV 116**

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

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

**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

**RTV 116**

**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. 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 - <=0,6117%

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

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

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:** none

**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
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
E1. Hazardous to the aquatic environment	100 t	200 t
P5c. Flammable liquids	5.000 t	50.000 t
P5b. Flammable liquids	50 t	200 t
P5a. Flammable liquids	10 t	50 t

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

Chemical name	CAS-No.	Concentration
Silica	7631-86-9	10 - 20%
Red iron oxide	1309-37-1	1,0 - 10%

**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	0,1 - 1,0%
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 Industrial Chem. Act (AIC):

On or in compliance with the inventory

Remarks: None.

**RTV 116**

Canada DSL Inventory List:	Q (quantity restricted)	Remarks: Please contact your supplier for further information on the inventory status of this material.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: Commercial Status: Active
REACH:	If purchased from Momentive Performance Materials GmbH in Leverkusen, Germany, all substances in this product have been registered by Momentive Performance Materials GmbH or upstream in our supply chain or are exempt from registration under Regulation (EC) No 1907/2006 (REACH). For polymers, this includes the constituent monomers and other reactants.	Remarks: None.

**SECTION 16: Other information**

**Revision Information:** Not relevant.

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

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

- H226 Flammable liquid and vapor.
- H315 Causes skin irritation.
- H361f Suspected of damaging fertility.
- H410 Very toxic to aquatic life with long lasting effects.

**Training information:** No data available.

**Issue Date:** 07.07.2023

**RTV 116**

**Disclaimer:**

**Notice to reader**

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

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

**Further Information**

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

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