

RTV108

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: RTV108

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

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

Contact person : MomentiveEMEA.productsteward@momentive.com

Telephone : General information
00800.4321.1000 (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

2.2 Label Elements not applicable

Supplemental label information

Additional Information: EUH210: Safety data sheet available on request.
No data available.

2.3 Other hazards No data available.

SECTION 3: Composition/information on ingredients

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

3.2 Mixtures

General information: No data available.

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Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Octamethylcyclotetrasiloxane	1 - <3%	556-67-2	209-136-7	01-2119529238-36-0001	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.

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 area with soap and water.

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

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: No data available.

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.

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- 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:** Provide adequate ventilation. 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.
- 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** None of the components have assigned exposure limits.
- 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**

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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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	Paste
Color:	Colorless
Odor:	Acetic acid.
Odor Threshold:	No data available.
pH:	No data available.
Melting Point:	No data available.
Boiling Point:	No data available.
Flash Point:	> 93,3 °C (estimated)
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.
Vapor density (air=1):	No data available.
Density:	ca. 1.060 g/cm ³
Relative density:	1,06
Solubility(ies)	
Solubility in Water:	Insoluble
Solubility (other):	Toluene
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No decomposition if stored and applied as directed.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.
Explosive properties:	No data available.

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Oxidizing properties:

No data available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity:** No data available.
- 10.2 Chemical Stability:** No data available.
- 10.3 Possibility of hazardous reactions:** No data available.
- 10.4 Conditions to avoid:** Reacts with water liberating small amounts of acetic acid.
- 10.5 Incompatible Materials:** No data available.
- 10.6 Hazardous Decomposition Products:** 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: 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:** LD 50 (Rat): > 4.800 mg/kg (OECD-Guideline 401 (Acute Oral Toxicity))
- Specified substance(s)**
Octamethylcyclotetrasiloxane
LD 50 (Rat): 4.800 mg/kg

Dermal

- Product:** LD 50 (Rat, male and female): 2.400 mg/kg (OECD-Guideline 402 (Acute Dermal Toxicity))
- Specified substance(s)**
Octamethylcyclotetrasiloxane
LD 50 (Rat): > 2.400 mg/kg

Inhalation

- Product:** LC50 (Rat, male and female, 4 h): 36 mg/l (OECD Test Guideline 403)
Not classified for acute toxicity based on available data.
- Specified substance(s)**
Octamethylcyclotetrasiloxane
LC50 (Rat, 4 h): 36 mg/l

Repeated dose toxicity

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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	NOAEL (Rat(male and female), Inhalation - vapor(vapour)): 150 mg/kg NOAEL (Rabbit(male and female), Dermal): 950 mg/kg LOAEL (Rabbit(male and female), Dermal): 950 mg/kg
Skin Corrosion/Irritation:	Not irritating
Product:	No data available.
Specified substance(s) Octamethylcyclotetrasiloxane	OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rat): No skin irritation
Serious Eye Damage/Eye Irritation:	Not irritating
Product:	No data available.
Specified substance(s) Octamethylcyclotetrasiloxane	OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Not irritating
Respiratory or Skin Sensitization:	Not a skin sensitizer.
Product:	, OECD-Guideline 406 (Skin Sensitisation)negative
Specified substance(s) Octamethylcyclotetrasiloxane	, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig)Not sensitizing
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 Guidline 476): negative (not mutagenic)
Specified substance(s) Octamethylcyclotetrasiloxane	Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic) Mouse Lymphoma Assay (OECD Guidline 476): negative (not mutagenic)
In vivo	
Product:	Chromosomal aberration (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)): negative
Specified substance(s) Octamethylcyclotetrasiloxane	Chromosomal aberration (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female): negative Dominant lethal assay (OECD 478) Oral (Rat, male and female): negative
Carcinogenicity	
Product:	No data available.
Specified substance(s) Octamethylcyclotetrasiloxane	No data available.
Reproductive toxicity	
Product:	No data available.
Specified substance(s)	

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Octamethylcyclotetrasiloxane No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

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 data available.

Aquatic Invertebrates

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

Specified substance(s)

Octamethylcyclotetrasiloxane No data available.

Chronic Toxicity

Fish

Product: LC50 (Oncorhynchus mykiss, 14 d): 0,01 mg/l

Specified substance(s)

Octamethylcyclotetrasiloxane No data available.

Aquatic Invertebrates

Product: EC50 (Daphnia magna, 21 d): > 0,015 mg/l

Specified substance(s)

Octamethylcyclotetrasiloxane No data available.

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Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Octamethylcyclotetrasiloxane No data available.

12.2 Persistence and Degradability

Biodegradation

Product: activated sludge (adaptation not specified) (29 d, OECD Test Guideline 310): 3,7 % The product is not readily biodegradable.

Specified substance(s)

Octamethylcyclotetrasiloxane (29 d, 310 Ready Biodegradability - CO₂ 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: Pimephales promelas, Bioconcentration Factor (BCF): 12,40 May accumulate in soil and water systems.

Specified substance(s)

Octamethylcyclotetrasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 12,40

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:

No data available.

Octamethylcyclotetrasiloxane No data available.

12.6 Other adverse effects:

No data 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

SDS_GB

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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. 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 (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: 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

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use: none

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 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances: none

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%

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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:	On or in compliance with the inventory	Remarks: None.
EINECS, ELINCS or NLP:	On or in compliance with the inventory	Remarks: None.
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.
Registration, Evaluation and Authorisation of Chemicals (REACH):	If purchased from Momentive Performance Materials GmbH in Leverkusen, Germany, all substances in this product have been registered or are intended to be 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.
H361f	Suspected of damaging fertility.
H413	May cause long lasting harmful effects to aquatic life.

Training information: No data available.

Issue Date: 29.10.2017

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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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