

RTV5249

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: RTV5249

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
Additional Information: 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.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes

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CALCIUM CARBONATE	50 - <100%	1317-65-3	215-279-6	EXEMPT	No data available.	#
TITANIUM DIOXIDE	0,1 - <1%	13463-67-7	236-675-5	01-2119489379-17-XXXX	No data available.	#
QUARTZ	0,1 - <1%	14808-60-7	238-878-4	Exempt	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
CALCIUM CARBONATE	No data available.	
TITANIUM DIOXIDE	No data available.	
QUARTZ	STOT RE: 2: H373	

CLP: Regulation No. 1272/2008.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: No data available.

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

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

Ingestion: Rinse mouth. Do NOT induce vomiting. Consult a physician for specific advice.

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: 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

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- 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:** No data available.
- 5.3 Advice for firefighters**
- Special fire fighting procedures:** No data available.
- 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:** Use mechanical handling equipment. 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:** Methanol is formed during processing. Wear appropriate personal protective equipment.
- 7.2 Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a cool, well-ventilated place.
- 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
CALCIUM CARBONATE - Inhalable dust.	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
CALCIUM CARBONATE - Respirable dust.	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
CALCIUM CARBONATE - Respirable.	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
CALCIUM CARBONATE - Inhalable	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
TITANIUM DIOXIDE - Inhalable	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
TITANIUM DIOXIDE -	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs)

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Respirable.			(12 2011)
QUARTZ - Respirable.	TWA	0,1 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

Biological Limit Values

None.

8.2 Exposure controls

Appropriate Engineering Controls: No data available.

Individual protection measures, such as personal protective equipment

General information: Wear suitable gloves and eye/face protection.

Eye/face protection: Safety glasses with side-shields conforming to EN166

Skin protection

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

Other: No data available.

Respiratory Protection: No data available.

Hygiene measures: Provide adequate ventilation. Observe good industrial hygiene practices. Avoid contact with eyes, skin, and clothing. Wash hands after handling. 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:** Gray
- Odor:** Sweet
- Odor Threshold:** No data available.
- pH:** No data available.
- Melting Point:** No data available.
- Boiling Point:** not applicable
- Flash Point:** > 93,3 °C (estimated)
- Evaporation Rate:** < 1
- 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):** Negligible
- Density:** ca. 1,5 g/cm3
- Relative density:** ca. 1,52
- Solubility(ies)**

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Solubility in Water:	Insoluble
Solubility (other):	No data available.
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:	> 20,5 mm ² /s (40 °C)
Explosive properties:	No data available.
Oxidizing properties:	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Reacts with water liberating small amounts of methanol.
10.2 Chemical Stability:	No decomposition if stored and applied as directed.
10.3 Possibility of hazardous reactions:	Hazardous polymerisation does not occur.
10.4 Conditions to avoid:	Keep away from moisture.
10.5 Incompatible Materials:	Strong Acids, Strong Bases
10.6 Hazardous Decomposition Products:	Carbon oxides Oxides of silicon. 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)	
CALCIUM CARBONATE	No data available.
TITANIUM DIOXIDE	LD 50 (Rat): > 10.000 mg/kg
QUARTZ	No data available.

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Dermal

Product: Not classified for acute toxicity based on available data.
Specified substance(s)
 CALCIUM No data available.
 CARBONATE
 TITANIUM DIOXIDE LD 50 (Rabbit): > 10.000 mg/kg
 QUARTZ No data available.

Inhalation

Product: Not classified for acute toxicity based on available data.
Specified substance(s)
 CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE LC50 (Rat, 4 h): > 6,8 mg/l
 QUARTZ No data available.

Repeated dose toxicity

Product: No data available.
Specified substance(s)
 CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

Skin Corrosion/Irritation:

Product: No data available.
Specified substance(s)
 CALCIUM No data available.
 CARBONATE
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

Serious Eye Damage/Eye Irritation:

Product: No data available.
Specified substance(s)
 CALCIUM No data available.
 CARBONATE
 TITANIUM DIOXIDE No eye irritation
 QUARTZ No data available.

Respiratory or Skin

Sensitization:

Product: No data available.
Specified substance(s)
 CALCIUM No data available.
 CARBONATE
 TITANIUM DIOXIDE negative
 QUARTZ No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

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CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

In vivo

Product: No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

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Fish

Product: No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE LC0 (Leuciscus idus, 48 h): > 1.000 mg/l
 QUARTZ No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE 0 %
 QUARTZ No data available.

BOD/COD Ratio

Product No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
 TITANIUM DIOXIDE No data available.
 QUARTZ No data available.

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12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

CALCIUM CARBONATE No data available.
TITANIUM DIOXIDE No data available.
QUARTZ No data available.

12.4 Mobility in Soil:

No data available.

Known or predicted distribution to environmental compartments

CALCIUM CARBONATE No data available.
TITANIUM DIOXIDE No data available.
QUARTZ No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

CALCIUM CARBONATE No data available.
TITANIUM DIOXIDE No data available.
QUARTZ 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

Not regulated.

RID

Not regulated.

IMDG

Not regulated.

IATA

Not regulated.

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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 MARPOL73/78 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. 689/2008 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: none

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

Inventory Status

Australia AICS:	n (Negative listing)
EU EINECS List:	y (positive listing)
Japan (ENCS) List:	n (Negative listing)
China Inventory of Existing Chemical Substances:	y (positive listing)
Korea Existing Chemicals Inv. (KECI):	y (positive listing)
Canada DSL Inventory List:	y (positive listing)
Canada NDSL Inventory:	n (Negative listing)
Philippines PICCS:	n (Negative listing)

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US TSCA Inventory: y (positive listing)
Taiwan. Taiwan inventory y (positive listing)
(CSNN):

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

H373 May cause damage to organs through prolonged or repeated exposure.

Training information: No data available.

Issue Date: 04.07.2016

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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