

RTV 5243

# 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 5243

### 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	20 - <50%	1317-65-3	215-279-6	EXEMPT	No data available.	#
Carbon Black	0,1 - <1%	1333-86-4	215-609-9	01-2119384822-32-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.	
Carbon Black	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.

**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)
Carbon Black	STEL	7 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
	TWA	3,5 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
QUARTZ - Respirable.	TWA	0,1 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

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**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:** Black

**Odor:** Sweet

**Odor Threshold:**

**pH:** not applicable

**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:** not applicable

**Vapor density (air=1):** No data available.

**Density:** ca. 1,5 g/cm<sup>3</sup>

**Relative density:** No data available.

**Solubility(ies)**

**Solubility in Water:** Insoluble

**Solubility (other):** No data available.

**Partition coefficient (n-octanol/water) Log**

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<b>Pow:</b>	Not determined.
<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.

**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity:</b>	Reacts with water liberating small amounts of methanol.
<b>10.2 Chemical Stability:</b>	No decomposition if stored and applied as directed.
<b>10.3 Possibility of hazardous reactions:</b>	Hazardous polymerisation does not occur.
<b>10.4 Conditions to avoid:</b>	Keep away from moisture.
<b>10.5 Incompatible Materials:</b>	No data available.
<b>10.6 Hazardous Decomposition Products:</b>	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**

<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

**11.1 Information on toxicological effects**

**Acute toxicity**

**Oral**

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
CALCIUM CARBONATE	No data available.
Carbon Black	No data available.
QUARTZ	No data available.

**Dermal**

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
CALCIUM CARBONATE	No data available.

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Carbon Black  
QUARTZ  
No data available.  
No data available.

**Inhalation**

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

**Specified substance(s)**

CALCIUM CARBONATE  
Carbon Black  
QUARTZ  
No data available.  
No data available.  
No data available.

**Repeated dose toxicity**

**Product:** No data available.

**Specified substance(s)**

CALCIUM CARBONATE  
Carbon Black  
QUARTZ  
No data available.  
No data available.  
No data available.

**Skin Corrosion/Irritation:**

**Product:** No data available.

**Specified substance(s)**

CALCIUM  
CARBONATE  
Carbon Black  
QUARTZ  
No data available.  
No data available.  
No data available.

**Serious Eye Damage/Eye Irritation:**

**Product:** No data available.

**Specified substance(s)**

CALCIUM  
CARBONATE  
Carbon Black  
QUARTZ  
No data available.  
No data available.  
No data available.

**Respiratory or Skin Sensitization:**

**Product:** No data available.

**Specified substance(s)**

CALCIUM  
CARBONATE  
Carbon Black  
QUARTZ  
No data available.  
No data available.  
No data available.

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Specified substance(s)**

CALCIUM CARBONATE  
Carbon Black  
QUARTZ  
No data available.  
No data available.  
No data available.

**In vivo**

**Product:** No data available.

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**Specified substance(s)**

CALCIUM CARBONATE	No data available.
Carbon Black	No data available.
QUARTZ	No data available.

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**

CALCIUM CARBONATE	No data available.
Carbon Black	No data available.
QUARTZ	No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

CALCIUM CARBONATE	No data available.
Carbon Black	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.
Carbon Black	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.
Carbon Black	No data available.
QUARTZ	No data available.

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

CALCIUM CARBONATE	No data available.
Carbon Black	No data available.
QUARTZ	No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

CALCIUM CARBONATE	No data available.
Carbon Black	No data available.
QUARTZ	No data available.

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**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

CALCIUM CARBONATE No data available.  
 Carbon Black No data available.  
 QUARTZ No data available.

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

CALCIUM CARBONATE No data available.  
 Carbon Black No data available.  
 QUARTZ No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

CALCIUM CARBONATE No data available.  
 Carbon Black No data available.  
 QUARTZ No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

CALCIUM CARBONATE No data available.  
 Carbon Black 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.  
 Carbon Black No data available.  
 QUARTZ No data available.

**BOD/COD Ratio**

**Product** No data available.

**Specified substance(s)**

CALCIUM CARBONATE No data available.  
 Carbon Black No data available.  
 QUARTZ No data available.

**12.3 Bioaccumulative Potential**

**Product:** No data available.

**Specified substance(s)**

CALCIUM CARBONATE No data available.  
 Carbon Black No data available.



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QUARTZ No data available.

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

**Known or predicted distribution to environmental compartments**

CALCIUM CARBONATE No data available.  
Carbon Black No data available.  
QUARTZ No data available.

**12.5 Results of PBT and vPvB assessment:** No data available.

CALCIUM CARBONATE No data available.  
Carbon Black 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.

**14.6 Special precautions for user:** Keep away from food, drink and animal feeding stuffs. This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

not applicable

**SECTION 15: Regulatory information**

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**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:	y (positive listing)
Canada DSL Inventory List:	y (positive listing)
EU EINECS List:	y (positive listing)
Japan (ENCS) List:	y (positive listing)
China Inventory of Existing Chemical Substances:	y (positive listing)
Korea Existing Chemicals Inv. (KECI):	y (positive listing)
Canada NDSL Inventory:	n (Negative listing)
Philippines PICCS:	y (positive listing)
US TSCA Inventory:	y (positive listing)
New Zealand Inventory of Chemicals:	y (positive listing)
Taiwan. Taiwan inventory (CSNN):	n (Negative listing)

**SECTION 16: Other information**

**Revision Information:** Not relevant.

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

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**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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