

RTV627 100-Pail Kit (100.0LBS-45.40KG)

# 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:** RTV627 100-Pail Kit (100.0LBS-45.40KG)

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

**Identified uses:** Silicone Elastomer (A)

**Uses advised against:** Not known.

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

**Manufacturer/Importer/Distributor Information** : Momentive Performance Materials  
B-3, Sipcot Industrial Growth Center,  
Oragadam, Sriperumbudur  
IN - Kancheepuram Dist - 602105

**Contact person** : MomentiveEMEA.productsteward@momentive.com

**Telephone** : General information  
00800.4321.1000 (Customer Service Centre)

**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 been classified according to the legislation in force.

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

#### Health Hazards

Specific Target Organ Toxicity -  
Repeated Exposure

Category 2

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

### 2.2 Label Elements

**Contains:** QUARTZ



**Signal Words:** Warning

**Hazard Statement(s):** H373: May cause damage to organs through prolonged or repeated exposure.

**Target Organs:**  
Lung

**RTV627 100-Pail Kit (100.0LBS-45.40KG)**

**Precautionary Statement**

**Prevention:** P260: Do not breathe dust/fume/gas/mist/vapors/spray.

**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 - Health**

Acute toxicity, oral	0 %
Acute toxicity, dermal	0 %
Acute toxicity, inhalation, vapor	0 %
Acute toxicity, inhalation, dust or mist	0 %

**Additional Information:** This product is a mixture containing polymer compounds and hazardous substances as listed in section 3. The relevant hazardous classification according to CLP Directive 1272/2008 is stated in section 2 of this SDS. Although the preparation is classified as a hazardous preparation it does not present a danger to human health by inhalation, ingestion or contact with the skin or to aquatic environment in the form in which it is placed on the market. According to Annex I No. 1.3.4.1 of the Directive 1272/2008 such preparations do not require a label.

**2.3 Other hazards** No data available.

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

**Chemical nature:** Polydimethylsiloxane containing vinyl groups, with Platinum catalyst and fillers.

**3.2 Mixtures**

**General information:** No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
QUARTZ	20 - <50%	14808-60-7	238-878-4	Exempt	No data available.	#
Octamethylcyc lotetrasiloxane	0,1 - <1%	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.

**RTV627 100-Pail Kit (100.0LBS-45.40KG)**

**Classification**

Chemical name	Classification	Notes
QUARTZ	STOT RE: 2: H373	
Octamethylcyclotetrasiloxane	Flam. Liq.: 3: H226 Repr.: 2: H361fAquatic Chronic: 4: H413	No data available.

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

**Skin Contact:** Important to remove the substance from the skin immediately. Wash area with soap and water.

**Ingestion:** If swallowed, do NOT induce vomiting. Give a glass of water. 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:** 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:** Avoid water in straight hose stream; will scatter and spread fire.

**5.2 Special hazards arising from the substance or mixture:** No data available.

**5.3 Advice for firefighters**

**Special fire fighting procedures:** Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.

**RTV627 100-Pail Kit (100.0LBS-45.40KG)**

**Special protective equipment for fire-fighters:**

Wear self-contained breathing apparatus and protective clothing. Use standard firefighting procedures and consider the hazards of other involved materials.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Caution: Contaminated surfaces may be slippery.

**6.2 Environmental Precautions:**

Prevent runoff from entering drains, sewers, or streams.

**6.3 Methods and material for containment and cleaning up:**

Collect spillage with granulates, sawdust, rags or other absorbent. Shovel up and place in a container for salvage or disposal. Flush away spillage with plenty of water. Caution: Contaminated surfaces may be slippery.

**6.4 Reference to other sections:**

See Section 8 of the SDS for Personal Protective Equipment.

**SECTION 7: Handling and storage:**

**7.1 Precautions for safe handling:**

Wear appropriate personal protective equipment.

**7.2 Conditions for safe storage, including any incompatibilities:**

Keep away from water, acids, alkalis, amines and alcohols. Keep away from food, drink and animal feeding stuffs. Keep container tightly closed and in a 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
QUARTZ - Respirable.	TWA	0,1 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)

**Biological Limit Values**

None.

**8.2 Exposure controls**

**Appropriate Engineering Controls:**

Eyewash bottle with clean water.

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

**General information:**

Use only in well-ventilated areas. Do not eat, drink or smoke when using the product. Wash hands after handling. Avoid contact with skin and eyes.

**Eye/face protection:**

Safety glasses with side-shields conforming to EN166

**Skin protection**

<b>RTV627 100-Pail Kit (100.0LBS-45.40KG)</b>	
<b>Hand Protection:</b>	Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.
<b>Other:</b>	No data available.
<b>Respiratory Protection:</b>	No protection is ordinarily required under normal conditions of use and with adequate ventilation.
<b>Hygiene measures:</b>	Avoid contact with eyes, skin, and clothing. Wear suitable gloves and eye/face protection. Observe good industrial hygiene practices. Wash hands after handling. When using do not eat, drink or smoke.
<b>Environmental exposure controls:</b>	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>	liquid
<b>Color:</b>	Black
<b>Odor:</b>	Faint
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Freezing point:</b>	No data available.
<b>Boiling Point:</b>	> 260 °C (1,013 hPa) (No data available.)
<b>Flash Point:</b>	> 204 °C
<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>	Negligible
<b>Vapor density (air=1):</b>	1,0
<b>Density:</b>	ca. 1,4 g/cm <sup>3</sup>
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble
<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.

## SECTION 10: Stability and reactivity

**RTV627 100-Pail Kit (100.0LBS-45.40KG)**

<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 polymerisation does not occur.
<b>10.4 Conditions to avoid:</b>	Heat, sparks, flames.
<b>10.5 Incompatible Materials:</b>	Strong Acids, Strong Bases
<b>10.6 Hazardous Decomposition Products:</b>	carbon monoxidecarbon dioxideMeasurements 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:** Not classified for acute toxicity based on available data.

**Specified substance(s)**

QUARTZ No data available.

Octamethylcyclotetrasiloxane LD 50 (Rat): 4.800 mg/kg

LD 50 (Mouse): 1.700 mg/kg

**Dermal**

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

**Specified substance(s)**

QUARTZ No data available.

Octamethylcyclotetrasiloxane LD 50 (Rat): 2.400 mg/kg

oxane

**Inhalation**

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

**Specified substance(s)**

QUARTZ No data available.

Octamethylcyclotetrasiloxane LC50 (Rat, 4 h): 12,1 mg/l

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

**RTV627 100-Pail Kit (100.0LBS-45.40KG)**

**Repeated dose toxicity**

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

**Product:** No data available.  
**Specified substance(s)**  
QUARTZ No data available.  
Octamethylcyclotetrasiloxane OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rat): No skin irritation

**Serious Eye Damage/Eye Irritation:**

**Product:** No data available.  
**Specified substance(s)**  
QUARTZ No data available.  
Octamethylcyclotetrasiloxane OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Not irritating

**Respiratory or Skin**

**Sensitization:**

**Product:** No data available.  
**Specified substance(s)**  
QUARTZ No data available.  
Octamethylcyclotetrasiloxane , OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig)Not sensitizing

**Germ Cell Mutagenicity**

**In vitro**

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

**In vivo**

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

**RTV627 100-Pail Kit (100.0LBS-45.40KG)**

Octamethylcyclotetrasiloxane No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
Octamethylcyclotetrasiloxane No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
Octamethylcyclotetrasiloxane No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
Octamethylcyclotetrasiloxane No data available.

**Target Organs:**

QUARTZ Lungs

**Target Organs:**

Lung

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
Octamethylcyclotetrasiloxane No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
Octamethylcyclotetrasiloxane No data available.

**Aquatic Invertebrates**

**Product:** No data available.



**RTV627 100-Pail Kit (100.0LBS-45.40KG)**

**Specified substance(s)**

QUARTZ	No data available.
Octamethylcyclotetrasiloxane	No data available.

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

QUARTZ	No data available.
Octamethylcyclotetrasiloxane	No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

QUARTZ	No data available.
Octamethylcyclotetrasiloxane	No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

QUARTZ	No data available.
Octamethylcyclotetrasiloxane	No data available.

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

QUARTZ	No data available.
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)**

QUARTZ	No data available.
Octamethylcyclotetrasiloxane	No data available.

**12.3 Bioaccumulative Potential**

**Product:** No data available.

**Specified substance(s)**

QUARTZ	No data available.
Octamethylcyclotetrasiloxane	Fathead Minnow, Bioconcentration Factor (BCF): 12,40

**12.4 Mobility in Soil:**

No data available.

**Known or predicted distribution to environmental compartments**

**RTV627 100-Pail Kit (100.0LBS-45.40KG)**

QUARTZ No data available.  
Octamethylcyclotetrasiloxane No data available.

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

QUARTZ 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**

Not regulated.

**RID**

Not regulated.

**IMDG**

Not regulated.

**IATA**

Not regulated.

**14.6 Special precautions for user:** Keep away from food, foodstuff, acids and bases. 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**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**EU Regulations**

**RTV627 100-Pail Kit (100.0LBS-45.40KG)**

**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:**

Chemical name	CAS-No.	Concentration
Octamethylcyclotetrasiloxane	556-67-2	0,1 - 1,0%

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

**Inventory Status**

Australia AICS:	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 DSL Inventory List:	y (positive listing)
Canada NDSL Inventory:	n (Negative listing)
Philippines PICCS:	y (positive listing)
US TSCA Inventory:	y (positive listing)
Taiwan. Taiwan inventory (CSNN):	y (positive listing)

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

---

**RTV627 100-Pail Kit (100.0LBS-45.40KG)**

H413 exposure.  
May cause long lasting harmful effects to aquatic life.

**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.

®, \*, and TM indicate trademarks owned by or licensed to Momentive.