

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 627

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 been classified according to the legislation in force.

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

Health Hazards

Toxic to reproduction	Category 1B	H360F: May damage fertility.
Specific Target Organ Toxicity - Repeated Exposure	Category 2 ¹ .	H373: May cause damage to organs through prolonged or repeated exposure.

Target Organs

1. Lung

2.2 Label Elements

Contains:

QUARTZ
Cyclotetrasiloxane, 2,4,6,8-tetraethenyl-2,4,6,8-tetramethyl-

RTV 627



- Signal Words:** Danger
- Hazard Statement(s):** H360F: May damage fertility.
H373: May cause damage to organs through prolonged or repeated exposure.
- Precautionary Statements**
- Prevention:** P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
- Response:** P308+P313: IF exposed or concerned: Get medical advice/attention.
- Disposal:** P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Unknown toxicity - Health

Acute toxicity, oral	0,34 %
Acute toxicity, dermal	0,34 %
Acute toxicity, inhalation, vapor	0,34 %
Acute toxicity, inhalation, dust or mist	0,34 %

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 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 for the hazards through inhalation route.

2.3 Other hazards

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: Polydimethylsiloxane containing vinyl groups, fillers and a cross-linker.
SDS_GB

RTV 627

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	Not applicable	#
Cyclotetrasiloxane, 2,4,6,8-tetraethenyl-2,4,6,8-tetramethyl-	0,3 - <1%	2554-06-5	219-863-1	01-2119970222-44-XXXX	Not applicable	

* 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
QUARTZ	STOT RE: 2: H373;	
Cyclotetrasiloxane, 2,4,6,8-tetraethenyl-2,4,6,8-tetramethyl-	Repr.: 1B: H360Fd; 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.

RTV 627

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:	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:	Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.
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. Pack only into unbreakable packing materials (no glass containers !) to avoid contact with substances mentioned in Section 10.
Storage conditions:	Keep away from sources of ignition - No smoking. Store in original container. Keep away from heat and flame.
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.
Storage Stability:	Material is stable under normal conditions.
7.3 Specific end use(s):	No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

RTV 627

Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
QUARTZ - Respirable.	TWA	0,1 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (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

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 protection is ordinarily required under normal conditions of use and with adequate ventilation.

Hygiene measures: 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.

Environmental exposure controls: No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Off-white
Odor:	Faint
Odor Threshold:	No data available.
pH:	Not applicable
Freezing point:	No data available.
Boiling Point:	> 260 °C (1,013 hPa)
Flash Point:	> 121 °C
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:	Negligible
Relative vapor density:	1,0
Density:	ca. 1,4 g/cm3

RTV 627

Relative density:	No data available.
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:	Material is stable under normal conditions.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

9.2 Other information
 No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	No data available.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Hazardous polymerization does not occur.
10.4 Conditions to avoid:	Heat, sparks, flames.
10.5 Incompatible Materials:	Evolves hydrogen on contact with acids, alkalis, alcohols, powdered metals or, as the case may be, metal oxides.
10.6 Hazardous Decomposition Products:	Oxides of silicon. Carbon oxides 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

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.
Cyclotetrasiloxane,	LD 50 (Rat): > 5.000 mg/kg
2,4,6,8-tetraethenyl-	
2,4,6,8-tetramethyl-	

RTV 627

Dermal

Product: Not classified for acute toxicity based on available data.
Specified substance(s)
 QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

Inhalation

Product: Not classified for acute toxicity based on available data.
Specified substance(s)
 QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

Repeated dose toxicity

Product: No data available.
Specified substance(s)
 QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

Skin Corrosion/Irritation:

Product: No data available.
Specified substance(s)
 QUARTZ No data available.
 Cyclotetrasiloxane, No data available. (Rabbit): No skin irritation
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

Serious Eye Damage/Eye Irritation:

Product: No data available.
Specified substance(s)
 QUARTZ No data available.
 Cyclotetrasiloxane, No data available. (Rabbit): slightly irritating (not classified according to the German Dangerous Substances legislation)
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

Respiratory or Skin Sensitization:

Product: No data available.
Specified substance(s)
 QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

Germ Cell Mutagenicity

In vitro

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

RTV 627

Cyclotetrasiloxane,
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

No data available.

In vivo

Product: No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane,
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl- No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane,
 2,4,6,8-tetraethenyl- No data available.
 2,4,6,8-tetramethyl-

Reproductive toxicity

Product: No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane,
 2,4,6,8-tetraethenyl- No data available.
 2,4,6,8-tetramethyl-

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane,
 2,4,6,8-tetraethenyl- No data available.
 2,4,6,8-tetramethyl-

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane,
 2,4,6,8-tetraethenyl- No data available.
 2,4,6,8-tetramethyl-

Target Organs:

QUARTZ Lungs

Aspiration Hazard

Product: No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane,
 2,4,6,8-tetraethenyl- No data available.
 2,4,6,8-tetramethyl-

RTV 627

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:
 QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

Other effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

Toxicity to Aquatic Plants

RTV 627

Product: No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

BOD/COD Ratio

Product No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

12.3 Bioaccumulative potential

Product: No data available.

Specified substance(s)

QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

12.4 Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

QUARTZ No data available.
 Cyclotetrasiloxane, 2,4,6,8- No data available.
 tetraethenyl-2,4,6,8-
 tetramethyl-

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

QUARTZ No data available.
 Cyclotetrasiloxane, 2,4,6,8- No data available.
 tetraethenyl-2,4,6,8-tetramethyl-

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:

QUARTZ No data available.
 Cyclotetrasiloxane, No data available.
 2,4,6,8-tetraethenyl-
 2,4,6,8-tetramethyl-

RTV 627

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. Keep away from food, drink and animal feeding stuffs.

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

RTV 627

Substances: none

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):
 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.:

Chemical name	CAS-No.	Concentration
QUARTZ	14808-60-7	40 - 50%

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
QUARTZ	14808-60-7	40 - 50%

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: None present or none present in regulated quantities.

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 Industrial Chem. Act (AICC):	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	On or in compliance with the inventory	Remarks: None.
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.

RTV 627

Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: None.
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: No data available.

Wording of the H-statements in section 2 and 3

H226	Flammable liquid and vapor.
H360F	May damage fertility.
H360Fd	May damage fertility. Suspected of damaging the unborn child.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.

Training information: No data available.

Issue Date: 29.12.2022

RTV 627

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.