

RTV160

SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: RTV160

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

Identified uses: Not known.

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 not been classified as hazardous according to the legislation in force.

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567
Not classified

The product is not classified for chronic aquatic toxicity, for further details see section 16

2.2 Label Elements

Not applicable

Supplemental information

EUH210: Safety data sheet available on request.

RTV160

EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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

Chemical name	Concentration	CAS-No.	M-Factor:	Notes
TITANIUM DIOXIDE	1 - <5%	13463-67-7	No data available.	#
Tris(3(trimethoxysilyl)propyl)isocyanurate	1 - <5%	26115-70-8	No data available.	
Decamethylcyclopentasiloxane	0,1 - <1%	541-02-6	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).

This substance is listed as SVHC.

Classification

Chemical name	Classification	Notes
TITANIUM DIOXIDE	Classification: None known. Supplemental label information: None known.	None.
Tris(3(trimethoxysilyl)propyl)isocyanurate	Classification: Acute Tox.: 4: H302 Supplemental label information: None known.	None.
Decamethylcyclopentasiloxane	Classification: None known. Supplemental label information: None known.	None.

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Move to fresh air. Get medical attention if symptoms occur.

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

Eye contact:

RTV160

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

Ingestion:

If swallowed, do NOT induce vomiting. Give a glass of water. Rinse mouth. Consult a physician for specific advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:

No data available.

Hazards:

No data available.

4.3 Indication of immediate medical attention and special treatment needed

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:

Do not use water jet as an extinguisher, as this will spread the fire.

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. Reacts with water liberating small amounts of methanol. This material is reactive with water, but the reaction will not significantly increase the fire severity.

5.3 Advice for firefighters

Special fire-fighting procedures:

Move container from fire area if it can be done without risk.

Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus and protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Provide adequate ventilation. Use personal protective equipment.

6.1.1 For non-emergency personnel:

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). See Section 8 of the SDS for Personal Protective Equipment.

6.1.2 For emergency responders:

No data available.

- 6.2 Environmental Precautions:** **RTV160**
Do not allow runoff to sewer, waterway or ground.
- 6.3 Methods and material for containment and cleaning up:** No data available.
- 6.4 Reference to other sections:** No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Safe handling advice: Methanol is formed during processing. Avoid contact with eyes, skin, and clothing. Do not eat, drink or smoke when using the product. Wash thoroughly after handling. See Section 8 of the SDS for Personal Protective Equipment.

7.2 Conditions for safe storage, including any incompatibilities

Safe storage conditions: Store in a cool and well-ventilated place. Keep away from moisture. Keep away from food, drink and animal feeding stuffs. Use original container or packaging of similar material of construction

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	Form of exposure	Exposure Limit Values		Source
TITANIUM DIOXIDE	TWA	Inhalable		10 mg/m ³	EH40 WEL (2007)
	TWA	Respirable		4 mg/m ³	EH40 WEL (2007)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

DNEL-Values

Remarks: DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
Decamethylcyclopentasiloxane	Workers	Inhalation	Acute, Systemic Toxicity 258 mg/m ³	
	Workers	Inhalation	Acute, Local 101 mg/m ³	
	Workers	Inhalation	long-term, Systemic Toxicity 405 mg/m ³	
	Workers	Inhalation	long-term, Local 101 mg/m ³	
	Consumers	Inhalation	Acute, Systemic Toxicity 86 mg/m ³	
	Consumers	Inhalation	Acute, Local 21 mg/m ³	

RTV160

	Consumers	Ingestion	long-term, Systemic Toxicity 25 mg/kg bw /day	
	Consumers	Inhalation	long-term, Systemic Toxicity 86 mg/m3	
	Consumers	Inhalation	long-term, Local 21 mg/m3	
Dodecamethylcyclohexasiloxane	Workers	Inhalation	Acute, Systemic Toxicity 98 mg/m3	
	Workers	Inhalation	long-term, Systemic Toxicity 98 mg/m3	
	Consumers	Inhalation	Acute, Systemic Toxicity 29 mg/m3	
	Consumers	Inhalation	long-term, Systemic Toxicity 29 mg/m3	
	Consumers	Ingestion	long-term, Systemic Toxicity 8,3 mg/kg bw /day	
Octamethylcyclotetrasiloxane	Consumers	Inhalation	Acute, Systemic Toxicity 305 mg/m3	
	Consumers	Inhalation	Acute, Local 61 mg/m3	
	Consumers	Inhalation	long-term, Systemic Toxicity 305 mg/m3	
	Consumers	Inhalation	long-term, Local 61 mg/m3	

PNEC-Values

Remarks: PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
Decamethylcyclopentasiloxane	Water	0,0012 mg/l	
	Seawater	0,00012 mg/l	
	Sediment	11 mg/kg	
	soil	3,15 mg/kg	Derived from PNEC(freshwater) using the equilibrium partitioning method.
	Sewage treatment plant	20 mg/l	
Dodecamethylcyclohexasiloxane	Water	0,0002 mg/l	
	Seawater	0,00002 mg/l	
	Intermittent release	1,43 mg/kg	
	Sediment	3,78 mg/kg	
	soil	1 mg/l	
	Sewage treatment plant		
Octamethylcyclotetrasiloxane	Water	0,44 mg/l	
	Seawater	0,044 mg/l	
	Sediment	0,128 mg/kg	
	soil	0,16 mg/kg	
	Sewage treatment plant	100 mg/l	

8.2 Exposure controls

Appropriate Engineering Controls:

No data available.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection:

Safety glasses with side-shields conforming to EN166

Hand Protection:

Additional Information: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.

Skin and Body Protection:

Wear suitable protective clothing and eye/face protection.

Respiratory Protection:

In case of inadequate ventilation use suitable respirator.

RTV160

Hygiene measures: Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes, skin, and clothing. Observe good industrial hygiene practices. When using do not eat, drink or smoke. Wash hands after handling.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: liquid
Form: Paste
Color: White
Odor: Alcohol
Odor Threshold: No data available.
Freezing point: No data available.
Boiling Point: >
93 °C
Flammability: No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: No data available.
Explosive limit - lower: No data available.
Flash Point: ca.
75 °C
Method: Closed Cup
Auto-ignition temperature: No data available.

Decomposition Temperature: No decomposition if stored and applied as directed.

pH: No data available.

Viscosity

Dynamic viscosity: No data available.
Kinematic viscosity: No data available.

Solubility(ies)

Solubility in Water: No data available.
Solubility (other): Soluble in toluene
Partition coefficient (n-octanol/water): Not determined.

Vapor pressure: No data available.

Relative density: No data available.

RTV160

Density: No data available.

Relative vapor density: 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: | No data available. |
| 10.3 | Possibility of hazardous reactions: | No data available. |
| 10.4 | Conditions to avoid: | Reacts with water liberating small amounts of methanol. |
| 10.5 | Incompatible Materials: | Water. 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

11.1 Information on toxicological effects

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix, 157.300,28 mg/kg

Components:

TITANIUM DIOXIDE LD 50, Rat, > 10.000 mg/kg

Tris(3(trimethoxysilyl)propyl)isocyanurate LD 50, Rat, female, 1.713 mg/kg, OECD-Guideline 401 (Acute Oral Toxicity)

Decamethylcyclopentasiloxane No data available.

Dermal

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

Components:

TITANIUM DIOXIDE LD 50, Rabbit, > 10.000 mg/kg

Tris(3(trimethoxysilyl)propyl)isocyanurate LD 50, Rabbit, > 19.200 mg/kg, OECD-Guideline 402 (Acute Dermal Toxicity)

Decamethylcyclopentasiloxane No data available.

RTV160

Inhalation

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

Components:

TITANIUM DIOXIDE LC50, Rat, 4 h, > 6,8 mg/l
Tris(3(trimethoxysilyl)propyl)isocyanurate No clinical signs or deaths occurred, vapour
Decamethylcyclopentasiloxane No data available.

Repeated dose toxicity

Product: No data available.

Components:

TITANIUM DIOXIDE No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.
Decamethylcyclopentasiloxane No data available.

Skin Corrosion/Irritation

Product: No data available.

Components:

TITANIUM DIOXIDE No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate Not irritating, OECD-Guideline 404 (Acute Dermal Irritation/Corrosion), Non irritating
Decamethylcyclopentasiloxane No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

TITANIUM DIOXIDE No eye irritation
Tris(3(trimethoxysilyl)propyl)isocyanurate Not irritating, OECD-Guideline 405 (Acute Eye Irritation/Corrosion), No eye irritation
Decamethylcyclopentasiloxane No data available.

Respiratory or Skin Sensitization

Product: No data available.

Components:

TITANIUM DIOXIDE No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate OECD-Guideline 406 (Skin Sensitisation), Not a skin sensitizer.
Decamethylcyclopentasiloxane No data available.

Carcinogenicity

Product: No data available.

Components:

TITANIUM DIOXIDE No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.
Decamethylcyclopentasiloxane No data available.

RTV160

Germ Cell Mutagenicity

In vitro

Product:	No data available.
Components:	
TITANIUM DIOXIDE	No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate	OECD 471, 490, 487, negative
Decamethylcyclopentasiloxane	No data available.

In vivo

Product:	No data available.
Components:	
TITANIUM DIOXIDE	No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.

Reproductive toxicity

Product:	No data available.
Components:	
TITANIUM DIOXIDE	No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Components:	
TITANIUM DIOXIDE	No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
Components:	
TITANIUM DIOXIDE	No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.

Aspiration Hazard

Product:	No data available.
Components:	
TITANIUM DIOXIDE	No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.

RTV160

11.2 Information on other hazards

Other information

Product: No data available.

Additional toxicological Information under the conditions of use :

No data available.

SECTION 12: Ecological information

12.1 Toxicity:

Toxicity to Aquatic Plants

Product: No data available.

Components:

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Decamethylcyclopentasiloxane No data available.

Toxicity to microorganisms

Product: No data available.

Components:

TITANIUM DIOXIDE EC0, Pseudomonas putida, 24 h, >, 10.000 mg/l

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Decamethylcyclopentasiloxane No data available.

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Components:

TITANIUM DIOXIDE LC0, Leuciscus idus, 48 h, >, 1.000 mg/l

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Decamethylcyclopentasiloxane No data available.

Aquatic Invertebrates

Product: No data available.

Components:

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Decamethylcyclopentasiloxane No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

RTV160

Components:

TITANIUM DIOXIDE	No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.

Aquatic Invertebrates

Product: No data available.

Components:

TITANIUM DIOXIDE	No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Components:

TITANIUM DIOXIDE	0 %
Tris(3(trimethoxysilyl)propyl)isocyanurate	34 %, 28 d, The product is not readily biodegradable.
Decamethylcyclopentasiloxane	No data available.

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Components:

TITANIUM DIOXIDE	No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: , Not determined.

Components:

TITANIUM DIOXIDE	No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.

12.4 Mobility in soil:

Product: No data available.

Components:

TITANIUM DIOXIDE	No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.

RTV160

Decamethylcyclopentasiloxane No data available.

12.5 Results of PBT and vPvB assessment:

Product: No data available.
Components:
TITANIUM DIOXIDE No data available.
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.
Decamethylcyclopentasiloxane vPvB: very persistent and very bioaccumulative substance.

12.6 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. Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

Disposal methods: Can be incinerated when in compliance with local regulations.

Contaminated Packaging: No data available.

SECTION 14: Transport information

ADR

Not Regulated.

ADN

Not Regulated.

RID

Not Regulated.

IATA

Not Regulated.

RTV160

IMDG Code

Not Regulated.

14.6 Special precautions for user: No data available.

14.7 Maritime transport in bulk according to IMO instruments

Product is not transported in bulk.

SECTION 15: Regulatory information

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

UK. REACH, Annex XIV, Substances Subject to Authorization (Authorization List), as amended: None present or none present in regulated quantities.

UK. UK REACH Candidate List of substances of very high concern (SVHCs) for Authorisation:

Chemical name	CAS-No.	Concentration	Additional Information
Decamethylcyclopentasiloxane	541-02-6	0,1 - 1,0%	Persistent, Bioaccumulative and Toxic (article 57d)very Persistent and very Bioaccumulative (article 57e)

UK. POPs List. SI Persistent Organic Pollutants Regulations 3106/2007, amended by UK POPs (Amendment) (EU Exit) Regulations 2020 (No. 1358), as amended: None present or none present in regulated quantities.

Regulation 2024/590/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: None present or none present in regulated quantities.

Regulation 2024/590/EC on substances that deplete the ozone layer, Annex II, New Substances: None present or none present in regulated quantities.

UK EXP1: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK EXP2: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK EXP3: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK BAN: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:

Chemical name	CAS-No.	Number on list
TITANIUM DIOXIDE	13463-67-7	3

RTV160

Decamethylcyclopentasiloxane	541-02-6	70
Octamethylcyclotetrasiloxane	556-67-2	70

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

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

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

Inventory Status

Australia Industrial Chem. Act (AIC):	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.
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.

SECTION 16: Other information

RTV160

Date of first report version: 10.10.2025

Generation date: 10.10.2025

Version #: 1.0

Revision Information: Not relevant.

Key literature references and sources for data: The partition coefficient of D4 between PDMS and water has been determined as $\log K_{PDMS-water} = 7.09$. It follows that PDMS containing up to 3%w/w D4 will generate a thermodynamic limit concentration of 2.4 µg D4/L in the water phase. The critical 21d-NOEC for daphnia of 7.9 µg D4/L will not be reached. The product is therefore not classified for chronic aquatic toxicity

Wording of the statements in section 2 and 3

H302	Harmful if swallowed.
EUH210	Safety data sheet available on request.

Training information: No data available.

Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.