

# 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 210A

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

**Identified uses:** Automotive application.

**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  
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

#### Supplemental label information

EUH210: Safety data sheet available on request.

**Additional Information:** No data available.

**2.3 Other hazards** No data available.

## SECTION 3: Composition/information on ingredients

**Chemical nature:** Preparation containing polydimethylsiloxane.

### 3.2 Mixtures

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**General information:** No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Decamethylcyclopentasiloxane	0,1 - <1%	541-02-6	208-764-9	01-2119511367-43-XXXX	No data available.	vPvB
Octamethylcyclotetrasiloxane	0,1 - <1%	556-67-2	209-136-7	01-2119529238-36-XXXX	No data available.	PBT, vPvB

\* 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
Decamethylcyclopentasiloxane	No data available.	
Octamethylcyclotetrasiloxane	Flam. Liq.: 3: H226; Repr.: 2: H361f; Aquatic Chronic: 2: H411;	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 symptoms persist.

**Eye contact:** Rinse the eye with water immediately. Get medical attention if symptoms occur.

**Skin Contact:** Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention promptly if symptoms occur after washing.

**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:** None known.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Hazards:** This product is not expected to produce adverse effects under normal conditions of use and appropriate personal hygiene.

**Treatment:** If swallowed, do NOT induce vomiting. Give a glass of water.

**SECTION 5: Firefighting measures**

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**General Fire Hazards:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire. 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.
- 5.3 Advice for firefighters**  
**Special fire fighting procedures:** Keep away from sources of ignition - No smoking. All equipment used when handling the product must be grounded.
- 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:** Use personal protective equipment. Provide adequate ventilation.
- 6.2 Environmental Precautions:** Do not allow runoff to sewer, waterway or ground.
- 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. Caution: Contaminated surfaces may be slippery.
- 6.4 Reference to other sections:** Prevent runoff from entering drains, sewers, or streams.

**SECTION 7: Handling and storage:**

- 7.1 Precautions for safe handling:** Use only in well-ventilated areas. Wear appropriate personal protective equipment. Static electricity and formation of sparks must be prevented.
- Storage conditions:** Keep container tightly closed. Store in original container.
- 7.2 Conditions for safe storage, including any incompatibilities:** 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**  
**Occupational Exposure Limits**

Chemical name	Type	Exposure Limit Values	Source
Calcium Carbonate - Respirable.	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)

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Calcium Carbonate - Inhalable	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Calcium Carbonate - Inhalable dust.	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Calcium Carbonate - Respirable dust.	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)

**Biological Limit Values**

None.

**8.2 Exposure controls**

**Appropriate Engineering Controls:** Provide eyewash station and safety shower. Local exhaust is recommended. Observe good industrial hygiene practices.

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

**General information:** Eyewash bottle with clean water. Use only in well-ventilated areas. When using do not eat, drink or smoke. 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:** Wear suitable protective clothing and eye/face protection.

**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. 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**

<b>Physical state:</b>	solid
<b>Form:</b>	Paste
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	ca. 142 °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>	No data available.
<b>Relative vapor density:</b>	No data available.
<b>Density:</b>	ca. 1,4 g/cm3

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<b>Relative density:</b>	ca. 1,4
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	No data available.
<b>Solubility (other):</b>	Hexanes
<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.

**9.2 Other information**  
 No data available.

**SECTION 10: Stability and reactivity**

<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 polymerization does not occur.
<b>10.4 Conditions to avoid:</b>	None known.
<b>10.5 Incompatible Materials:</b>	Strong Acids, Strong Bases
<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**

**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>	
Decamethylcyclopentasiloxane	No data available.
Octamethylcyclotetrasiloxane	LD 50 (Rat): > 4.800 mg/kg

**Dermal**

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<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
Decamethylcyclopentasiloxane	LD 50 (Rabbit): > 2.000 mg/kg
Octamethylcyclotetrasiloxane	LD 50 (Rat): > 2.375 mg/kg
<b>Inhalation</b>	
<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
Decamethylcyclopentasiloxane	LC50 (Rat, 4 h): 8,67 mg/l
Octamethylcyclotetrasiloxane	LC50 (Rat, 4 h): 36 mg/l
<b>Repeated dose toxicity</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b>	
Decamethylcyclopentasiloxane	NOAEL (Rat(male and female), Oral, 90 d): 1.000 mg/kg NOAEL (Rat(male and female), Dermal, 28 d): 1.600 mg/kg NOAEC (Rat(male and female), Inhalation - vapor, 2 y): 160 ppm
Octamethylcyclotetrasiloxane	No data available.
<b>Skin Corrosion/Irritation:</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b>	
Decamethylcyclopentasiloxane	OECD Test Guideline 404 (Rabbit, 72 h): Non irritating
Octamethylcyclotetrasiloxane	OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit): Slightly irritating.
<b>Serious Eye Damage/Eye Irritation:</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b>	
Decamethylcyclopentasiloxane	OECD Test Guideline 405 (Rabbit, 72 h): Non irritating
Octamethylcyclotetrasiloxane	OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Non irritating
<b>Respiratory or Skin Sensitization:</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b>	
Decamethylcyclopentasiloxane	LLNA (Local Lymph Node Assay), OECD Guideline 429 (LLNA) (Mouse): Non sensitizing.
Octamethylcyclotetrasiloxane	Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): Not sensitizing
<b>Germ Cell Mutagenicity</b>	
<b>In vitro</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b>	

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Decamethylcyclopentasil oxane	Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic) Mammalian cytogenicity test (Mouse Lymphoma Assay (OECD Guideline 476)): negative (not mutagenic) Chromosomal aberration (OECD 473): negative (not mutagenic)
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)**

Decamethylcyclopentasil oxane	(OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female)negative (not mutagenic) Vapor.
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)**

Decamethylcyclopentasil oxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**

Decamethylcyclopentasil oxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s)**

Decamethylcyclopentasil oxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s)**

Decamethylcyclopentasil oxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

Decamethylcyclopentasil oxane	No data available.
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Octamethylcyclotetrasiloxane No data available.

**Other effects:** No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

Decamethylcyclopentasiloxane LC50 (Oncorhynchus mykiss, 96 h): > 0,0016 mg/l (OECD-Guideline 204)

Octamethylcyclotetrasiloxane No data available.

**Aquatic Invertebrates**

**Product:** EC50 (Daphnia magna, 48 h): > 0,015 mg/l

**Specified substance(s)**

Decamethylcyclopentasiloxane EC50 (Daphnia magna, 48 h): > 0,0029 mg/l (OECD Test Guideline 202)

Octamethylcyclotetrasiloxane No data available.

**Chronic Toxicity**

**Fish**

**Product:** LC50 (Oncorhynchus mykiss, 14 d): 0,01 mg/l

**Specified substance(s)**

Decamethylcyclopentasiloxane NOEC (Oncorhynchus mykiss, 90 d): >= 0,0014 mg/l (OECD-Guideline 210)  
 LOEC (Oncorhynchus mykiss, 90 d): > 0,0014 mg/l (OECD-Guideline 210)

Octamethylcyclotetrasiloxane No data available.

**Aquatic Invertebrates**

**Product:** EC50 (Daphnia magna, 21 d): > 0,015 mg/l

**Specified substance(s)**

Decamethylcyclopentasiloxane NOEC (Daphnia magna, 21 d): >= 0,0015 mg/l (OECD-Guideline 211)  
 LOEC (Daphnia magna, 21 d): > 0,0015 mg/l

Octamethylcyclotetrasiloxane No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

Decamethylcyclopentasiloxane EC50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 0,0012 mg/l (OECD Test Guideline 201)  
 NOEC : >= 0,0012 mg/l  
 EC10 : > 0,0012 mg/l

Octamethylcyclotetrasiloxane No data available.



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**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** activated sludge (adaptation not specified) (29 d, OECD Test Guideline 310): 3,7 % The product is not readily biodegradable.

**Specified substance(s)**

Decamethylcyclopentasiloxane activated sludge (adaptation not specified) (28 d, OECD Test Guideline 310): 0,14 % The product is not readily biodegradable.  
 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)**

Decamethylcyclopentasiloxane No data available.  
 Octamethylcyclotetrasiloxane No data available.

**12.3 Bioaccumulative potential**

**Product:** Pimephales promelas, Bioconcentration Factor (BCF): 12,40 May accumulate in soil and water systems.

**Specified substance(s)**

Decamethylcyclopentasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 7.060 (OECD Test Guideline 305)  
 Octamethylcyclotetrasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 12,40

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

**Known or predicted distribution to environmental compartments**

Decamethylcyclopentasiloxane No data available.  
 Octamethylcyclotetrasiloxane No data available.

**12.5 Results of PBT and vPvB assessment:**

Decamethylcyclopentasiloxane Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB)  
 vPvB: very persistent and very bioaccumulative substance. Decamethylcyclopentasiloxane (D5) meets the current EU REACH Annex XIII criteria for vPvB and has been added to the candidate list for Substances of very high concern (SVHC)., *However our understanding of the available science is that D5 does not behave similarly to known PBT/vPvB substances. The silicones industries interpretation of the available data is that the weight of scientific evidence from field studies shows that D5 is not biomagnifying in aquatic and terrestrial food webs. D5 in air will degrade by naturally occurring reactions in the atmosphere. Any D5 in air that does not degrade by these reactions is not expected to deposit from the air to water, to land, or to living organisms.*

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Octamethylcyclotetrasiloxane	Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB)	Octamethylcyclotetrasiloxane (D4) meets the current EU REACH Annex XIII criteria for PBT and vPvB and has been added to the candidate list for Substances of very high concern (SVHC). <i>However our understanding of the available science is that D4 does not behave similarly to known PBT/vPvB substances. The silicones industries interpretation of the available data is that the weight of scientific evidence from field studies shows that D4 is not biomagnifying in aquatic and terrestrial food webs. D4 in air will degrade by naturally occurring reactions in the atmosphere. Any D4 in air that does not degrade by these reactions is not expected to deposit from the air to water, to land, or to living organisms.</i>
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**12.6 Other adverse effects:** No data 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 foodstuffs and animal feed.

**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 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):**

Chemical name	CAS-No.	Concentration
Decamethylcyclopentasiloxane	541-02-6	0 - <=0,1780%
Octamethylcyclotetrasiloxane	556-67-2	0 - <=0,1110%

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

Chemical name	CAS-No.	Concentration
Octamethylcyclotetrasiloxane	556-67-2	0,1 - 1,0%
Decamethylcyclopentasiloxane	541-02-6	0,1 - 1,0%

**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.:**

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

**Directive 2012/18/EU (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)

Remarks: None.

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Canada DSL Inventory List:	Q (quantity restricted)	Remarks: At least one component is not listed in DSL but all such components are listed in NDSL.
EU EINECS List:	y (positive listing)	Remarks: None.
Japan (ENCS) List:	y (positive listing)	Remarks: None.
China Inv. Existing Chemical Substances:	y (positive listing)	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	y (positive listing)	Remarks: None.
Canada NDSL Inventory:	n (negative listing)	Remarks: None.
Philippines PICCS:	n (negative listing)	Remarks: None.
US TSCA Inventory:	y (positive listing)	Remarks: None.
New Zealand Inventory of Chemicals:	n (negative listing)	Remarks: None.
Taiwan Chemical Substance Inventory:	y (positive listing)	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.
- H361f Suspected of damaging fertility.
- H411 Toxic to aquatic life with long lasting effects.

**Training information:** No data available.

**Issue Date:** 06.11.2020

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**RTV 210A**

**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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