

RTF7000A

# 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: RTF7000A

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

Identified uses: Silicone Elastomer

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

Specific Target Organ Toxicity - Repeated Exposure - Category 2<sup>1</sup> - H373: May cause damage to organs through prolonged or repeated exposure.

#### Target Organs

1. Lung

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

### 2.2 Label Elements

**Contains:** QUARTZ

RTF7000A



- Signal Words:** Warning
- Hazard Statement(s):** H373: May cause damage to organs through prolonged or repeated exposure.
- Precautionary Statements**
- Prevention:** P260: Do not breathe dust/fume/gas/mist/vapors/spray.
- Response:** P314: Get medical advice/attention if you feel unwell.
- 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 %
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 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, with Platinum catalyst and fillers.

**3.2 Mixtures**

**General information:** No data available.

**RTF7000A**

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	#
Octamethylcyclotetrasiloxane	0,01 - <0,1%	556-67-2	209-136-7	01-2119529238-36-XXXX	Aquatic Toxicity (Chronic): 10	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
QUARTZ	STOT RE: 2: H373;	
Octamethylcyclotetrasiloxane	Flam. Liq.: 3: H226; Repr.: 2: H361f; Aquatic Chronic: 1: H410;	

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 into fresh air and keep at rest. Get medical attention if symptoms occur.

**Eye contact:** Get medical attention if symptoms occur. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

**Skin Contact:** Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.

**Ingestion:** DO NOT induce vomiting. Get medical attention immediately. Do not give victim anything to drink if he is unconscious. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**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:** No information about adverse effects due to exposure.

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

**SECTION 5: Firefighting measures**

**RTF7000A**

**General Fire Hazards:** Use standard firefighting procedures and consider the hazards of other involved materials.

**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.

**5.3 Advice for firefighters Special fire-fighting procedures:** Take precautionary measures against static discharges. To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:** 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:** Collect spillage with granulates, sawdust, rags or other absorbent.

**6.4 Reference to other sections:** Remove sources of ignition. In case of spills, beware of slippery floors and surfaces. See Section 8 of the SDS for Personal Protective Equipment. Collect and dispose of spillage as indicated in section 13 of the SDS.

**SECTION 7: Handling and storage:**

**7.1 Precautions for safe handling:** Use only in well-ventilated areas. Wear appropriate personal protective equipment.

**Storage conditions:** Keep container tightly closed. Keep away from sources of ignition - No smoking.

**7.2 Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a cool, 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
QUARTZ - Respirable.	TWA	0,1 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)

**RTF7000A**

**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:** No data available.

**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:** Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat, drink or smoke.

**Environmental exposure controls:** No release to wastewater from process as such, wastewater emissions limited to release generated from final equipment cleaning step using water

**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>	Yellow
<b>Odor:</b>	Mild
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	7
<b>Freezing point:</b>	No data available.
<b>Boiling Point:</b>	Not applicable
<b>Flash Point:</b>	> 148 °C (Closed Cup)
<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>	No data available.
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	No data available.

**RTF7000A**

<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>	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>	No data available.
<b>10.3 Possibility of hazardous reactions:</b>	No data available.
<b>10.4 Conditions to avoid:</b>	No data available.
<b>10.5 Incompatible Materials:</b>	No data available.
<b>10.6 Hazardous Decomposition Products:</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**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**

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

**Dermal**

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
QUARTZ	No data available.
Octamethylcyclotetrasiloxane	LD 50 (Rat): > 2.375 mg/kg

**RTF7000A**

**Inhalation**

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

**Specified substance(s)**

QUARTZ No data available.  
 Octamethylcyclotetrasiloxane LC50 (Rat, 4 h): 36 mg/l

**Repeated dose toxicity**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
 Octamethylcyclotetrasiloxane No data available.

**Skin Corrosion/Irritation:**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
 Octamethylcyclotetrasiloxane OECD Test Guideline 404 (Rabbit): Non irritating

**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): Non irritating

**Respiratory or Skin**

**Sensitization:**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
 Octamethylcyclotetrasiloxane Maximisation Test, 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 475) Inhalation (Rat, male and female): negative  
 Dominant lethal assay (OECD 478) Oral (Rat, male and female): negative

**Carcinogenicity**

**RTF7000A**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.

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

**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.

Octamethylcyclotetrasiloxane No data available.

**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.

Octamethylcyclotetrasiloxane No data available.

**Other effects:** No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**



**RTF7000A**

**Fish**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
 Octamethylcyclotetrasiloxane No toxicity at the limit of solubility ; LC50 (Oncorhynchus mykiss, 96 h): > 0,022 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
 Octamethylcyclotetrasiloxane No toxicity at the limit of solubility ; EC50 (Daphnia magna, 48 h): > 0,015 mg/l

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
 Octamethylcyclotetrasiloxane No toxicity at the limit of solubility ; NOEC (Oncorhynchus mykiss, 93 d): >= 0,0044 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
 Octamethylcyclotetrasiloxane No toxicity at the limit of solubility ; NOEC (Daphnia magna, 21 d): > 0,015 mg/l

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
 Octamethylcyclotetrasiloxane No toxicity at the limit of solubility ; ErC50 (Selenastrum capricornutum, 96 h): > 0,022 mg/l

**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**

**RTF7000A**

**Product:** No data available.

**Specified substance(s)**

QUARTZ No data available.  
 Octamethylcyclotetrasiloxane Bioconcentration Factor (BCF): 12.400

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

**Known or predicted distribution to environmental compartments**

QUARTZ No data available.  
 Octamethylcyclotetrasiloxane No data available.

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

QUARTZ No data available.  
 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)., *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.*

**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.  
 Octamethylcyclotetrasiloxane No data available.

**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.

**RTF7000A**

**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 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):** none

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:** none

**RTF7000A**

**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	20 - 30%

**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	20 - 30%

**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 AICS:	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	On or in compliance with the inventory	Remarks: None.
EINECS, ELINCS or NLP:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: Commercial Status: Active
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.

**RTF7000A**

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:** 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 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 exposure.
H410	Very toxic to aquatic life with long lasting effects.

**Training information:** No data available.

**Issue Date:** 15.12.2022

**RTF7000A**

**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.