

RTV9891

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: RTV9891

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

Identified uses: Silicone catalyst mixture

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

Serious eye damage	Category 1	H318: Causes serious eye damage.
Skin sensitizer	Category 1	H317: May cause an allergic skin reaction.
Toxic to reproduction	Category 2	H361: Suspected of damaging fertility or the unborn child.
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
STANNOUS OCTOATE

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Signal Words: Danger

Hazard Statement(s): H318: Causes serious eye damage.
H317: May cause an allergic skin reaction.
H361: Suspected of damaging fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements

Prevention: P201: Obtain special instructions before use.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.
P308+P313: IF exposed or concerned: Get medical advice/attention.

Disposal: P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Unknown toxicity - Health

Acute toxicity, oral	0,22 %
Acute toxicity, dermal	0,22 %
Acute toxicity, inhalation, vapor	0,22 %
Acute toxicity, inhalation, dust or mist	0,22 %

Additional Information: No data available.

2.3 Other hazards No data available.

SECTION 3: Composition/information on ingredients

Chemical nature: Silicone catalyst mixture

3.2 Mixtures

General information: No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
QUARTZ	50 - <100%	14808-60-7	238-878-4	Exempt	No data available.	#

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STANNOUS OCTOATE	5 - <10%	301-10-0	206-108-6	01-2119485798-13-XXXX	No data available.	#
2-Ethylhexanoic acid	0,1 - <1%	149-57-5	205-743-6	01-2119488942-23-XXXX	No data available.	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Classification	Notes
QUARTZ	STOT RE: 2: H373;	
STANNOUS OCTOATE	Eye Dam.: 1: H318; Repr.: 2: H361; Skin Sens.: 1B: H317; Aquatic Chronic: 3: H412;	No data available.
2-Ethylhexanoic acid	Repr.: 2: H361d; No data available.	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: No data available.

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

Skin Contact: After contact with skin, remove product mechanically. Wash skin thoroughly with soap and water. If skin irritation or an allergic skin reaction develops, get medical attention.

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: 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

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

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Suitable extinguishing media: All standard extinguishing agents are suitable.

Unsuitable extinguishing media: No data available.

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: 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: Absorb with sand or other inert absorbent. Sweep up and shovel into suitable containers for disposal.

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: No data available.

7.3 Specific end use(s): No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
QUARTZ - Respirable.	TWA	0,1 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
TITANIUM DIOXIDE - Inhalable	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
TITANIUM DIOXIDE - Respirable.	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
STANNOUS OCTOATE - as Sn	STEL	0,2 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
	TWA	0,1 mg/m3	UK. EH40 Workplace Exposure Limits (WELs)

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			(12 2011)
Silica - Inhalable dust.	TWA	6 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Silica - Respirable dust.	TWA	2,4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Aluminum oxide - Inhalable dust.	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Aluminum oxide - Respirable dust.	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Silica - Inhalable dust.	TWA	6 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Silica - Respirable dust.	TWA	2,4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

Biological Limit Values

None.

8.2 Exposure controls

Appropriate Engineering Controls:

Eyewash bottle with clean water.

Individual protection measures, such as personal protective equipment

General information:

No data available.

Eye/face protection:

Safety glasses with side-shields conforming to EN166

Skin protection

Hand Protection:

Advice: Protective gloves made of :
Material: 730 Camatril
Glove thickness: 0,4 mm

Other:

Wear suitable protective clothing and eye/face protection.

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 data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:

liquid

Form:

liquid

Color:

Blue

Odor:

Faint

Odor Threshold:

No data available.

pH:

No data available.

Freezing point:

No data available.

Boiling Point:

No data available.

Flash Point:

> 100 °C (Closed Cup)

Evaporation Rate:

No data available.

Flammability (solid, gas):

No data available.

Flammability Limit - Upper (%):

No data available.

Flammability Limit - Lower (%):

No data available.

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Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	ca. 1,74 g/cm ³
Relative density:	ca. 1,75
Solubility(ies)	
Solubility in Water:	Insoluble
Solubility (other):	No data available.
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.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Material is stable under normal conditions.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous polymerization will not occur.
10.4 Conditions to avoid:	None known.
10.5 Incompatible Materials:	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

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.
STANNOUS OCTOATE	LD 50 (Rat): 3.400 mg/kg
2-Ethylhexanoic acid	LD 50 (Rat): 3.000 mg/kg

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Dermal

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

Specified substance(s)

QUARTZ	No data available.
STANNOUS	LD 50 (Rabbit): > 2.000 mg/kg
OCTOATE	
2-Ethylhexanoic acid	LD 50 (Rabbit): > 2.000 mg/kg

Inhalation

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

Specified substance(s)

QUARTZ	No data available.
STANNOUS OCTOATE	
2-Ethylhexanoic acid	LC50 (Rat, 8,00 h): > 999,99 mg/l

Repeated dose toxicity

Product: No data available.

Specified substance(s)

QUARTZ	No data available.
STANNOUS OCTOATE	No data available.
2-Ethylhexanoic acid	No data available.

Skin Corrosion/Irritation:

Product: No data available.

Specified substance(s)

QUARTZ	No data available.
STANNOUS	No data available.
OCTOATE	
2-Ethylhexanoic acid	No skin irritation

Serious Eye Damage/Eye

Irritation:

Product: No data available.

Specified substance(s)

QUARTZ	No data available.
STANNOUS	(Rabbit): Irritating to eyes.
OCTOATE	
2-Ethylhexanoic acid	No data available. (No data available.): not irritating (not classified according to the German Dangerous Substances legislation)

Respiratory or Skin

Sensitization:

Product: No data available.

Specified substance(s)

QUARTZ	No data available.
STANNOUS	positive
OCTOATE	
2-Ethylhexanoic acid	No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

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Specified substance(s)

QUARTZ	No data available.
STANNOUS OCTOATE	Ames-Test: negative
2-Ethylhexanoic acid	No data available.

In vivo

Product: No data available.

Specified substance(s)

QUARTZ	No data available.
STANNOUS OCTOATE	No data available.
2-Ethylhexanoic acid	No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

QUARTZ	No data available.
STANNOUS OCTOATE	No data available.
2-Ethylhexanoic acid	No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

QUARTZ	No data available.
STANNOUS OCTOATE	No data available.
2-Ethylhexanoic acid	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

QUARTZ	No data available.
STANNOUS OCTOATE	No data available.
2-Ethylhexanoic acid	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

QUARTZ	No data available.
STANNOUS OCTOATE	No data available.
2-Ethylhexanoic acid	No data available.

Target Organs:

QUARTZ	Lungs
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Aspiration Hazard

Product: No data available.

Specified substance(s)

QUARTZ	No data available.
STANNOUS OCTOATE	No data available.
2-Ethylhexanoic acid	No data available.

Other effects: No data available.

SECTION 12: Ecological information

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12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

QUARTZ No data available.
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid LC50 (Leuciscus idus, 96 h): ca. 100 mg/l (No data available.)

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

QUARTZ No data available.
STANNOUS OCTOATE EC50 (Daphnia magna, 48 h): 24,5 mg/l
2-Ethylhexanoic acid No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

QUARTZ No data available.
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

QUARTZ No data available.
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

QUARTZ No data available.
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

QUARTZ No data available.
STANNOUS OCTOATE No data available.
2-Ethylhexanoic acid No data available.

BOD/COD Ratio

Product No data available.

Specified substance(s)

QUARTZ No data available.
STANNOUS OCTOATE No data available.

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2-Ethylhexanoic acid No data available.

12.3 Bioaccumulative potential

Product: No data available.

Specified substance(s)

QUARTZ No data available.

STANNOUS OCTOATE No data available.

2-Ethylhexanoic acid No data available.

12.4 Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

QUARTZ No data available.

STANNOUS OCTOATE No data available.

2-Ethylhexanoic acid No data available.

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

QUARTZ No data available.

STANNOUS OCTOATE No data available.

2-Ethylhexanoic acid No data available.

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 (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: 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:

Chemical name	CAS-No.	Concentration
STANNOUS OCTOATE	301-10-0	1,0 - 10%

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
2-Ethylhexanoic acid	149-57-5	0,1 - 1,0%

Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances: none

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:

Chemical name	CAS-No.	Concentration
Aluminum oxide	1344-28-1	0,1 - 1,0%

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
2-Ethylhexanoic acid	149-57-5	0,1 - 1,0%

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

Inventory Status

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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.
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: None.
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.

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

H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Training information: No data available.

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

Eye Dam. 1, H318

Skin Sens. 1, H317

SDS_GB

Repr. 2, H361fd
STOT RE 2, H373

Issue Date: 20.07.2018
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 safehandling, 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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