

RTV109-ALUM

# SAFETY DATA SHEET

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Product name:** RTV109-ALUM

**Recommended use:** Silicone Elastomer

**Limitations on use:** For industrial use only.

**Manufacturer** : Momentive Performance Materials GmbH  
Chempark Leverkusen Gebaeude V7  
DE - 51368 Leverkusen, Germany

**Distributor Information** : DC Products Pty Limited  
Unit 117/45 Gilby Road  
Mount Waverley 3149, Australia

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## 2 HAZARDS IDENTIFICATION

**GHS classification:**

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

**GHS label elements:**

Not applicable

**Other hazards which do not result in classification:**

**Primary hazards:** No data available.

**Specific hazards:** No data available.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical nature:** Silicone sealant

**Substance or Preparation:**

**Mixtures**

**Hazardous ingredients:**

Chemical Identity	CAS number	Concentration*
Octamethylcyclotetrasiloxane	556-67-2	<10%

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

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**RTV109-ALUM**

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**4 FIRST AID MEASURES**

<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.
<b>Eye contact:</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>Skin Contact:</b>	Wash with soap and water.
<b>Ingestion</b>	If swallowed, do NOT induce vomiting. Give a glass of water. Do not give victim anything to drink if he is unconscious. Get medical attention.
<b>Likely Acute or Delayed Symptoms/Effects</b>	None known.
<b>Notes to the physician:</b>	No data available.

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**5 FIRE-FIGHTING MEASURES**

<b>Extinguishing media:</b>	All standard extinguishing agents are suitable.
<b>Unsuitable extinguishing media:</b>	Do not use water jet.
<b>Special fire fighting procedures:</b>	Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
<b>Special protective action for fire fighters:</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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**6 ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures:</b>	Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Avoid accidental ingestion of this material. Wash hands and face before eating, drinking, smoking, using toilet facilities, or applying cosmetics.  Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the finger and hands. Keep out of reach of children. Keep container closed.
<b>Environmental Precautions: Methods and material for containment and cleaning up:</b>	Do not allow runoff to sewer, waterway or ground. Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.
<b>Notification Procedures:</b>	No data available.

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**7 HANDLING AND STORAGE**

<b>Precautions for safe handling:</b>	Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes, skin, and clothing. Acetic acid is formed during processing. Wear appropriate personal protective equipment.
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**RTV109-ALUM**

**Condition for safe storage, including any incompatibilities:**

Keep container tightly closed in a cool, well-ventilated place.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Appropriated engineering control measures:**

Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

**Occupational Exposure Limits:**

None known.

**Personal protective equipment (ppe)**

**Respiratory Protection:**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Eye Protection:**

Safety glasses with side shields

**Hand Protection:**

Chemical resistant gloves

**Skin Protection:**

Wear suitable protective clothing and eye/face protection.

**Hygiene measures:**

**9 PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

**Physical state:**

solid

**Form:**

Paste

**Color:**

Dark gray

**Odor:**

Acetic acid.

**Odor Threshold:**

No data available.

**pH:**

Not applicable

**Melting Point:**

No data available.

**Boiling Point:**

Not applicable

**Flash Point:**

> 93.3 °C (estimated)

**Evaporation Rate:**

No data available.

**Flammability (solid, gas):**

No data available.

**Flammability Limit - Upper (%):**

No data available.

**Flammability Limit - Lower (%):**

No data available.

**Vapor pressure:**

Not applicable

**Vapor density (air=1):**

No data available.

**Density:**

ca. 1.06 g/cm<sup>3</sup>

**Relative density:**

No data available.

**Solubility(ies)**

**Solubility in Water:**

Insoluble

**Solubility (other):**

Toluene

**Partition coefficient (n-octanol/water) Log Pow:**

No data available.

**Autoignition Temperature:**

No data available.

**Decomposition Temperature:**

No data available.

**SADT:**

No data available.

**Viscosity, dynamic:**

No data available.

**Viscosity, kinematic:**

No data available.

**RTV109-ALUM**

**Explosive properties:** No data available.  
**Oxidizing properties:** No data available.

## 10 STABILITY AND REACTIVITY

**Incompatible Materials:** Strong Acids, Strong Bases Water.

**Chemical Stability:** Material is stable under normal conditions.  
**Possibility of hazardous reactions:** Hazardous polymerization does not occur.

**Conditions to avoid:** Keep away from moisture.  
**Hazardous Decomposition Products:** In case of fire, gives off (emits): Carbon dioxide Silicon dioxide. Formaldehyde. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

## 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

**Inhalation:** No data available.

**Ingestion:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

### Information on toxicological effects

#### Acute toxicity

**Oral**  
**Product:** ATEmix ( ): 8,938.21 mg/kg

**Specified substance(s)**  
Octamethylcyclotetrasiloxane LD 50 (Rat): > 4,800 mg/kg (OECD-Guideline 401 (Acute Oral Toxicity)) Not classified

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

**Specified substance(s)**  
Octamethylcyclotetrasiloxane LD 50 (Rat): > 2,375 mg/kg (OECD Test Guideline 402) Not classified

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

**Specified substance(s)**  
Octamethylcyclotetrasiloxane Aerosols: LC50 (Rat, male and female, 4 h): 36 mg/l (OECD Test Guideline 403) Not classified

**Repeated dose toxicity**  
**Product:** No data available.

**Specified substance(s)**  
Octamethylcyclotetrasiloxane No data available.

**RTV109-ALUM**

<b>Skin Corrosion/Irritation:</b>	Not irritating
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit): Slightly irritating.
<b>Serious Eye Damage/Eye Irritation:</b>	Not irritating
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> 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> 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> 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)
<b>In vivo</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	Chromosomal aberration (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female): negative
<b>Carcinogenicity</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	No data available.
<b>Reproductive toxicity</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	No data available.
<b>Specific Target Organ Toxicity - Single Exposure</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	No data available.
<b>Specific Target Organ Toxicity - Repeated Exposure</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	No data available.
<b>Aspiration Hazard</b>	
<b>Product:</b>	No data available.
<b>Specified substance(s)</b> Octamethylcyclotetrasiloxane	No data available.
<b>Metabolism:</b>	No data available.

**RTV109-ALUM**

**Other effects:** No data available.

## 12 ECOLOGICAL INFORMATION

**General information:** Not applicable

### Ecotoxicity

#### Acute toxicity

##### Fish

**Product:** No data available.

##### Specified substance(s):

Octamethylcyclotetrasiloxane No data available.

##### Aquatic Invertebrates

**Product:** No data available.

##### Specified substance(s):

Octamethylcyclotetrasiloxane No data available.

#### Chronic Toxicity

##### Fish

**Product:** No data available.

##### Specified substance(s):

Octamethylcyclotetrasiloxane No data available.

##### Aquatic Invertebrates

**Product:** No data available.

##### Specified substance(s):

Octamethylcyclotetrasiloxane No data available.

#### Toxicity to Aquatic Plants

**Product:** No data available.

#### Persistence and Degradability

##### Biodegradation

**Product:** No data available.

##### BOD/COD Ratio

**Product:** No data available.

##### Specified substance(s):

Octamethylcyclotetrasiloxane No data available.

#### Bioaccumulative potential

**Product:** No data available.

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

#### Known or predicted distribution to environmental compartments

Octamethylcyclotetrasiloxane No data available.

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

Octamethylcyclotetrasiloxane No data available.

**Other adverse effects:** No data available.

**RTV109-ALUM**

**13 Disposal considerations**

<b>General information:</b>	Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.
<b>Disposal methods:</b>	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.  The generation of waste should be avoided or minimized wherever possible. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

**14 TRANSPORT INFORMATION**

**ADR/RID**

Not regulated.

**IMDG - International Maritime Dangerous Goods Code**

Not regulated.

**IATA**

Not regulated.

**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.

**15 REGULATORY INFORMATION**

**Applicable regulations:**

No known specific national and/or regional regulations applicable to this product (including its ingredients)

**16 OTHER INFORMATION**

**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: 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.

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**RTV109-ALUM**

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.

**Revision Information:**

**Issue Date:**

**Disclaimer:**

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2025/04/16

**Notice to reader**

Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (> 30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use 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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