

# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** RTV 106Q

**Recommended use:** Silicone Elastomer

**Recommended restrictions:** For industrial use only.

### Details of the supplier of the safety data sheet

**Manufacturer/Importer/Distributor Information** : Momentive Performance Materials B-3,Sipcot Industrial Growth Center, Oragadam, Sriperumbudur IN - Kancheepuram Dist - 602105

**Contact person** : commercial.services@momentive.com

**Telephone** : General information  
+914471212100 (Direct Phone)

**Emergency telephone number** : From INDIA ONLY: 0008001007479 ; GLOBAL: +441865407333

## 2. Hazard(s) identification

### Classification according to GHS

#### Health Hazards

Serious Eye Damage/Eye Irritation	Category 1
Toxic to reproduction	Category 2

### Label Elements

#### Hazard Symbol:



**Signal Word:** Danger

**Hazard Statement:** H318: Causes serious eye damage.  
H361f: Suspected of damaging fertility.

#### Precautionary Statements

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**Prevention:**

P201: Obtain special instructions before use.  
 P202: Do not handle until all safety precautions have been read and understood.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

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 or doctor/ physician.  
 P308+P313: IF exposed or concerned: Get medical advice/attention.

**Storage:**

P405: Store locked up.

**Disposal:**

P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**Other hazards:** No data available.

### 3. Composition/information on ingredients

**Chemical nature:** Silicone sealant

#### Mixtures

Chemical Identity	CAS number	Content in percent (%) <sup>*</sup>
(1) Treated Fumed Silica	68583-49-3	10 - <30%
Methyltriacetoxysilane	4253-34-3	<10%
Octamethylcyclotetrasiloxane	556-67-2	<10%

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

(1) The respirable particle(s) listed above are inextricably bound within the polymer matrix, and therefore does not present an inhalation hazard during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

### 4. First-aid measures

#### Description of necessary first-aid measures

<b>General information:</b>	No action shall be taken involving any personal risk or without suitable training.
<b>Inhalation:</b>	Move to fresh air. Get medical attention if any discomfort continues.
<b>Skin Contact:</b>	Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Eye contact:</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>Ingestion:</b>	Drink plenty of water. Do NOT induce vomiting. Get medical attention.

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**Personal Protection for First-aid Responders:** No data available.

**Most important symptoms and effects, both acute and delayed**  
**Symptoms:** No data available.

**Hazards:** No data available.

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

**Treatment:** No data available.

**5. Fire-fighting measures**

**General Fire Hazards:** Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** All standard extinguishing agents are suitable.

**Unsuitable extinguishing media:** Do not use water jet.

**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. Pay attention to the corrosive effects arising from contact with water. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

**Special protective equipment and precautions for fire-fighters**

**Special fire-fighting procedures:** Use water spray to keep fire-exposed containers cool.

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

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Caution: Contaminated surfaces may be slippery. Reacts with water liberating small amounts of acetic acid. Use personal protective equipment.

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

**Methods and material for containment and cleaning up:** Shovel up and place in a container for salvage or disposal.

**Environmental Precautions:** Do not allow runoff to sewer, waterway or ground.

**7. Handling and storage**

**Handling**

**Technical measures (e.g. Local** Provide adequate general and local exhaust ventilation. Eye

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**and general ventilation):** washes and showers for emergency use.

**Safe handling advice:** 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.

**Contact avoidance measures:** No data available.

### Storage

**Safe storage conditions:** Keep container tightly closed in a cool, well-ventilated place.

**Safe packaging materials:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Red iron oxide - Fume. - as Fe	TWA	5 mg/m <sup>3</sup>	India. OELs. The Factories Act, The Second Schedule: Permissible Levels of Certain Chemical Substances in the Work Environment, as amended
Acetic acid	TWA	10 ppm	India. OELs. The Factories Act, The Second Schedule: Permissible Levels of Certain Chemical Substances in the Work Environment, as amended
	STEL	15 ppm	India. OELs. The Factories Act, The Second Schedule: Permissible Levels of Certain Chemical Substances in the Work Environment, as amended

#### Biological Limit Values

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

**Appropriate Engineering Controls** Provide adequate general and local exhaust ventilation. Eye washes and showers for emergency use.

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

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

**Eye/face protection:** Safety glasses with side shields

#### Skin Protection

**Hand Protection:** Material: Chemical resistant gloves

**Other:** Wear suitable protective clothing and eye/face protection.

**Respiratory Protection:** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respiratory protection mask with Filtertype ABEK

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**Hygiene measures:** Avoid contact with eyes, skin, and clothing. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. When using do not eat, drink or smoke.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	solid
<b>Form:</b>	Paste
<b>Color:</b>	Red
<b>Odor:</b>	Acetic acid.
<b>Odor Threshold:</b>	No data available.
<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flammability:</b>	No data available.

#### Upper/lower limit on flammability or explosive limits

<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	> 93.3 °C (estimated)
<b>Autoignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.

**pH:** Not applicable

#### Viscosity

<b>Dynamic viscosity:</b>	No data available.
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.

#### Solubility(ies)

<b>Solubility in Water:</b>	Insoluble
<b>Solubility (other):</b>	Toluene
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	Not applicable
<b>Relative density:</b>	ca. 1.06
<b>Density:</b>	1.06 g/cm3 (23 °C)
<b>Bulk density:</b>	No data available.
<b>Vapor density (air=1):</b>	Not applicable

#### Particle characteristics

<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.
<b>Specific surface area:</b>	No data available.
<b>Surface charge/Zeta potential:</b>	No data available.
<b>Shape:</b>	No data available.

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**Crystallinity:** No data available.  
**Surface treatment:** No data available.

**Other information**

**Evaporation Rate:** < 1  
**Miscible (water):** non miscible (<10%)

**10. Stability and reactivity**

**Reactivity:** No data available.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of hazardous reactions:** Hazardous polymerization does not occur.

**Conditions to avoid:** Keep away from moisture. Reacts with water liberating small amounts of acetic acid.

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

**Hazardous Decomposition Products:** 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**

**Information on toxicological effects**

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** No data available.

**Information on likely routes of exposure**

**Acute toxicity (list all possible routes of exposure)**

**Oral**

**Product:** ATEmix: 6,701.07 mg/kg  
**Components:**  
Methyltriacetoxy silane No data available.  
Octamethylcyclotetrasiloxane LD 50 (Rat): > 4,800 mg/kg

**Dermal**

**Product:** Not classified for acute toxicity based on available data.  
**Components:**  
Methyltriacetoxy silane No data available.  
Octamethylcyclotetrasiloxane LD 50 (Rat): > 2,375 mg/kg

xane

**Inhalation**

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Components:</b>	
Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	LC50 (Rat, male and female, 4 h): 36 mg/l Aerosols; Not classified;

**Repeated dose toxicity**

<b>Product:</b>	No data available.
<b>Components:</b>	
Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No data available.

**Skin Corrosion/Irritation**

<b>Product:</b>	Not irritating
<b>Components:</b>	
Methyltriacetoxysilane	OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit):
Octamethylcyclotetrasiloxane	OECD Test Guideline 404 (Rabbit):

**Serious Eye Damage/Eye Irritation**

<b>Product:</b>	No data available.
<b>Components:</b>	
Methyltriacetoxysilane	Corrosive OECD-Guideline 405 (Acute Eye Irritation/Corrosion) Rabbit:
Octamethylcyclotetrasiloxane	OECD-Guideline 405 (Acute Eye Irritation/Corrosion) Rabbit: Non irritating

**Respiratory or Skin Sensitization**

<b>Product:</b>	No data available.
<b>Components:</b>	
Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): Not sensitizing

**Carcinogenicity**

<b>Product:</b>	No data available.
<b>Components:</b>	
Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	Inhalation

**Germ Cell Mutagenicity**

<b>In vitro</b>	
<b>Product:</b>	No data available.
<b>Components:</b>	
Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	Ames-Test (OECD-Guideline 471 (Genetic Toxicology: <i>Salmonella typhimurium</i> , Reverse Mutation Assay)): negative (not mutagenic) Mouse Lymphoma Assay (OECD Guidline 476): negative (not mutagenic)

**In vivo**

<b>Product:</b>	No data available.
<b>Components:</b>	

Methyltriacetoxysilane

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**Octamethylcyclotetrasiloxane** Chromosomal aberration (OECD 475) Inhalation (Rat, male and female): negative

Dominant lethal assay (OECD 478) Oral (Rat, male and female): negative

**Reproductive toxicity**

**Product:** No data available.

**Components:**

**Methyltriacetoxysilane** No data available.

**Octamethylcyclotetrasiloxane** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Components:**

**Methyltriacetoxysilane** No data available.

**Octamethylcyclotetrasiloxane** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Components:**

**Methyltriacetoxysilane** No data available.

**Octamethylcyclotetrasiloxane** No data available.

**Aspiration Hazard**

**Product:** No data available.

**Components:**

**Methyltriacetoxysilane** No data available.

**Octamethylcyclotetrasiloxane** No data available.

**Information on health hazards**

**Other hazards**

**Product:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Components:**

**Methyltriacetoxysilane** 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.

**Components:**

**Methyltriacetoxysilane** No data available.

**Octamethylcyclotetrasiloxane** No toxicity at the limit of solubility ; EC50 (Daphnia magna, 48 h): > 0.015 mg/l

**Toxicity to Aquatic Plants**

**Product:** No data available.

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**Components:**

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No toxicity at the limit of solubility ; ErC50 (Selenastrum capricornutum, 96 h): > 0.022 mg/l

**Toxicity to microorganisms**

<b>Product:</b>	No data available.
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**Components:**

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No data available.

**Chronic hazards to the aquatic environment:**

**Fish**

<b>Product:</b>	No data available.
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**Components:**

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No toxicity at the limit of solubility ; NOEC (Oncorhynchus mykiss, 93 d): >= 0.0044 mg/l

**Aquatic Invertebrates**

<b>Product:</b>	No data available.
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**Components:**

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No toxicity at the limit of solubility ; NOEC (Daphnia magna, 21 d): > 0.015 mg/l

**Toxicity to Aquatic Plants**

<b>Product:</b>	No data available.
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**Components:**

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No data available.

**Toxicity to microorganisms**

<b>Product:</b>	No data available.
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**Components:**

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No data available.

**Persistence and Degradability**

**Biodegradation**

<b>Product:</b>	No data available.
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**Components:**

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	3.7 % (29 d, 310 Ready Biodegradability - CO <sub>2</sub> in Sealed Vessels (Headspace Test)) Not readily biodegradable., Persistent

**BOD/COD Ratio**

<b>Product:</b>	No data available.
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**Components:**

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No data available.

**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:** No data available.**Components:**

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	Bioconcentration Factor (BCF): 12,400

**Partition Coefficient n-octanol / water (log Kow)****Product:** No data available.**Components:**

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No data available.

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

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No data available.

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

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No data available.

**Other adverse effects:****Other hazards****Product:** No data available.**13. Disposal considerations****General information:** Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.**Disposal methods:** 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.

**Contaminated Packaging:** Dispose of as unused product.

## 14. Transport information

### ADR

Not regulated.

### IATA

Not regulated.

### IMDG

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. Keep away from food, foodstuff, acids and bases.

## 15. Regulatory information

### International regulations

#### Montreal protocol

Not applicable

#### Stockholm convention

Not applicable

#### Rotterdam convention

Not applicable

Not applicable

#### Kyoto protocol

Not applicable

### Inventory Status:

#### 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.

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Australia Industrial Chem. Act (AIIC):	On or in compliance with the inventory
Canada DSL Inventory List:	Q (quantity restricted)
Canada NDSL Inventory:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory

**16. Other information, including date of preparation or last revision**

<b>Issue Date:</b>	14.06.2023
<b>Version #:</b>	1.1
<b>Further Information:</b>	No data available.

**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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