

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 (%)*
(1) Treated Fumed Silica	68583-49-3	10 - <30%
Methyltriacetoxysilane	4253-34-3	<10%
Octamethylcyclotetrasiloxane	556-67-2	<10%

* 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

General information:	No action shall be taken involving any personal risk or without suitable training.
Inhalation:	Move to fresh air. Get medical attention if any discomfort continues.
Skin Contact:	Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion:	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 ³	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

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

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: No data available.
Explosive limit - lower: No data available.
Flash Point: > 93.3 °C (estimated)
Autoignition Temperature: No data available.
Decomposition Temperature: No data available.
pH: Not applicable

Viscosity

Dynamic viscosity: No data available.
Kinematic viscosity: No data available.
Flow Time: No data available.

Solubility(ies)

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

Particle characteristics

Particle Size: No data available.
Particle Size Distribution: No data available.
Specific surface area: No data available.
Surface charge/Zeta potential: No data available.
Shape: 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:
Methyltriacetoxysilane No data available.
Octamethylcyclotetrasiloxane LD 50 (Rat): > 4,800 mg/kg

Dermal

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

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xane

Inhalation

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

Components:

Methyltriacetoxysilane No data available.
Octamethylcyclotetrasiloxane LC50 (Rat, male and female, 4 h): 36 mg/l Aerosols; Not classified;
xane

Repeated dose toxicity

Product: No data available.

Components:

Methyltriacetoxysilane No data available.
Octamethylcyclotetrasiloxane No data available.
xane

Skin Corrosion/Irritation

Product: Not irritating

Components:

Methyltriacetoxysilane OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit):
Octamethylcyclotetrasiloxane OECD Test Guideline 404 (Rabbit):
xane

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Methyltriacetoxysilane Corrosive OECD-Guideline 405 (Acute Eye Irritation/Corrosion) Rabbit:
Octamethylcyclotetrasiloxane OECD-Guideline 405 (Acute Eye Irritation/Corrosion) Rabbit: Non
xane irritating

Respiratory or Skin Sensitization

Product: No data available.

Components:

Methyltriacetoxysilane No data available.
Octamethylcyclotetrasiloxane Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea
xane Pig): Not sensitizing

Carcinogenicity

Product: No data available.

Components:

Methyltriacetoxysilane No data available.
Octamethylcyclotetrasiloxane Inhalation
xane

Germ Cell Mutagenicity

In vitro

Product: No data available.

Components:

Methyltriacetoxysilane No data available.
Octamethylcyclotetrasiloxane Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella
xane typhimurium, Reverse Mutation Assay)): negative (not mutagenic)
Mouse Lymphoma Assay (OECD Guideline 476): negative (not
mutagenic)

In vivo

Product: No data available.

Components:

Methyltriacetoxysilane No data available.

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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

Product: No data available.

Components:

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Methyltriacetoxysilane	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.

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

Product: No data available.

Components:

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No data available.

Toxicity to microorganisms

Product: No data available.

Components:

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Components:

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

BOD/COD Ratio

Product: No data available.

Components:

Methyltriacetoxysilane	No data available.
Octamethylcyclotetrasiloxane	No data available.

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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:	<p>Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.</p> <p>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.</p>
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 (AIC):	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
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Issue Date:	14.06.2023
Version #:	1.1
Further Information:	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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