RTV6708

SAFETY DATA SHEET

1. Identification

Product identifier: RTV6708

Recommended use: Silicone Elastomer

Recommended restrictions: Not known.

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

Skin Corrosion/Irritation	Category 3
Skin sensitizer	Category 1
Toxic to reproduction	Category 1B

Environmental Hazards

Chronic hazards to the aquatic environment	Category 3

Unknown toxicity - Environment

Acute hazards to the aquatic environment	0 %
Chronic hazards to the aquatic environment	0 %

Label Elements

Hazard Symbol:

Signal Word: Danger

Hazard Statement:
H316: Causes mild skin irritation.
H317: May cause an allergic skin reaction.
H360Df: May damage the unborn child. Suspected of damaging fertility.
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention:
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P321: Specific treatment (see supplemental first aid instructions on this label).
P362+P364: Take off contaminated clothing and wash it before reuse.
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: Mixture of polydimethylsiloxanes, fillers and cross-linkers.

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
(1) Silane, dichlorodimethyl-, reaction products with silica	68611-44-9	10 - <30%
Octamethylcyclotetrasiloxane	556-67-2	<10%
Hexamethyldisilazane	999-97-3	<10%
DIBUTYL TIN BIS ACETYLACETONATE	22673-19-4	<10%
DIBUTYLAMINE	111-92-2	<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: Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves

Inhalation: Move to fresh air. Get medical attention if symptoms occur.

Skin Contact: After contact with skin, remove product mechanically. Wash area with soap and water.

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

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water. Consult a physician for specific advice.

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: Use standard firefighting procedures and consider the hazards of other involved materials. 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 as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture: In case of fire, carbon monoxide and carbon dioxide may be formed.

Special protective equipment and precautions for fire-fighters

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: Wear self-contained breathing apparatus and protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Provide adequate ventilation. Use personal protective equipment.
Accidental release measures:	Remove sources of ignition. In case of spills, beware of slippery floors and surfaces.
Methods and material for containment and cleaning up:	Use mechanical handling equipment. Shovel up and place in a container for salvage or disposal.
Environmental Precautions:	Prevent runoff from entering drains, sewers, or streams.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):	Eye wash facilities and emergency shower must be available when handling this product.
Safe handling advice:	Methanol is formed during processing. Ammonia is formed during processing. See Section 8 of the SDS for Personal Protective Equipment.
Contact avoidance measures:	No data available.

Storage

Safe storage conditions:	Keep container tightly closed in a cool, well-ventilated place. Use original container or packaging of similar material of construction
Safe packaging materials:	No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
(1) Silane, dichlorodimethyl-, reaction products with silica - Total dust.	TWA	10 mg/m3	India. OELs. The Factories Act, The Second Schedule: Permissible Levels of Certain Chemical Substances in the Work Environment, as amended

This product contains one or more substances with an occupational exposure limit. However, the respirable particle(s) of this/these substance(s) are inextricably bound within the polymer matrix. Therefore, we do not expect an exposure to this/these substance(s) during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

Biological Limit Values

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

Appropriate Engineering Controls Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

General information:	Wear suitable gloves and eye/face protection.
Eye/face protection:	Safety glasses with side shields
Skin Protection	
Hand Protection:	Additional Information: Chemical resistant gloves
Other:	Chemical resistant clothing Safety shoes
Respiratory Protection:	In case of inadequate ventilation use suitable respirator.
Hygiene measures:	Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat or drink.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	
Physical state:	solid
Form:	Paste
Color:	Colorless
Odor:	Ammonia.
Odor Threshold:	No data available.
Melting Point:	Not applicable
Boiling Point:	Not applicable
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:	ca. 110 °C (ASTM D 93)
Self Ignition Temperature:	No data available.
Decomposition Temperature:	No decomposition if stored and applied as directed.
pH:	No data available.
Viscosity	
Dynamic viscosity:	No data available.
Kinematic viscosity:	> 20.5 mm2/s (40 °C)
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	Slightly in Toluene
Partition coefficient (n-octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	No data available.
Density:	No data available.
Bulk density:	No data available.
Vapor density (air=1):	No data available.

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

Other information

Miscible (water):	non miscible (<10%) 15 °C

10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid:	Reacts with water liberating small amounts of methanol. Reacts with water liberating small amounts of ammonia.
Incompatible Materials:	Moisture. The catalysis of strong acids or bases cause polymerization or decomposition.
Hazardous Decomposition Products:	Carbon oxides Oxides of silicon. Methanol Ammonia. 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: 61,022.66 mg/kg
Components:	
Octamethylcyclotetrasiloxane	LD 50 (Rat): > 4,800 mg/kg
Hexamethyldisilazane	LD 50 (Rat): 870 mg/kg
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Dermal

Product:	ATEmix: 21,042.3 mg/kg
Components:	
Octamethylcyclotetrasiloxane	LD 50 (Rat): > 2,375 mg/kg
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Inhalation

Product:	ATEmix: 771.55 mg/l Vapour;
Components:	
Octamethylcyclotetrasiloxane	LC50 (Rat, male and female, 4 h): 36 mg/l Aerosols; Not classified;
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Repeated dose toxicity

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	No data available.
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Skin Corrosion/Irritation

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	OECD Test Guideline 404 (Rabbit):
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Serious Eye Damage/Eye Irritation

Product:	No data available.
Components:	

Octamethylcyclotetrasiloxane	OECD-Guideline 405 (Acute Eye Irritation/Corrosion) Rabbit: Non irritating
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Respiratory or Skin Sensitization

Product:	Bühler-Patch-Test skin sensitisation on guinea pigs, OECD Test Guideline 406 (Guinea Pig): negative Test results are based on analogy with a similar material.
Components:	
Octamethylcyclotetrasiloxane	Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): Not sensitizing
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Carcinogenicity

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	Inhalation
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Germ Cell Mutagenicity

In vitro

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic) Mouse Lymphoma Assay (OECD Guidline 476): negative (not mutagenic)
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

In vivo

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	Chromosomal aberration (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female): negative
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Reproductive toxicity

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	No data available.
Hexamethyldisilazane	No data available.

DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	No data available.
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	No data available.
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Aspiration Hazard

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	No data available.
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	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:	
Octamethylcyclotetrasiloxane	LC50 (Oncorhynchus mykiss, 96 h): > 0.022 mg/l
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Aquatic Invertebrates

Product:	No data available.
Components:	
Octamethylcyclotetrasilo	EC50 (Daphnia magna, 48 h): > 0.015 mg/l

xane	
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	ErC50 (Selenastrum capricornutum, 96 h): > 0.022 mg/l
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Toxicity to microorganisms

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	No data available.
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Chronic hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	NOEC (Oncorhynchus mykiss, 93 d): >= 0.0044 mg/l
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Aquatic Invertebrates

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	NOEC (Daphnia magna, 21 d): > 0.015 mg/l
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	No data available.
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Toxicity to microorganisms

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	No data available.
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Persistence and Degradability

Biodegradation

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	No data available.
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

BOD/COD Ratio

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	No data available.
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	Fathead Minnow, Bioconcentration Factor (BCF): 12.40
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product:	No data available.
Components:	
Octamethylcyclotetrasiloxane	No data available.
Hexamethyldisilazane	Log Kow: Not applicable
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Mobility in soil:

Product	No data available.
Components:	

Octamethylcyclotetrasiloxane	No data available.
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Results of PBT and vPvB assessment:

Product	No data available.
Components:	
Octamethylcyclotetrasiloxane	No data available.
Hexamethyldisilazane	No data available.
DIBUTYL TIN BIS ACETYLACETONATE	No data available.
DIBUTYLAMINE	No data available.

Other adverse effects:

Other hazards

Product: No data available.

13. Disposal considerations

General information: The generation of waste should be avoided or minimized wherever possible. 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 foodstuffs and animal feed.

15. Regulatory information

International regulations

Montreal protocol
Not applicable

Stockholm convention
Not applicable

Rotterdam convention
Not applicable

Kyoto protocol
Not applicable

Inventory Status:

Australia AICS:	y (positive listing)
EU EINECS List:	y (positive listing)
Japan (ENCS) List:	n (negative listing)
China Inventory of Existing Chemical Substances:	y (positive listing)
Korea Existing Chemicals Inv. (KECI):	y (positive listing)
Canada DSL Inventory List:	y (positive listing)
Canada NDSL Inventory:	n (negative listing)
Philippines PICCS:	y (positive listing)
US TSCA Inventory:	y (positive listing)
Taiwan. Taiwan inventory (CSNN):	y (positive listing)
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.

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

Issue Date: 24.04.2022

Version #: 1.0

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 asa guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrantyor 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.