

RTV167

SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

GHS Product identifier: RTV167

Recommended use of the chemical and restrictions on use

Recommended use: Silicone Elastomer

Recommended restrictions: For industrial use only.

Supplier's details

Manufacturer Momentive Performance Materials LLC
260 Hudson River Road
Waterford NY 12188

Contact person : Viren.kumar@dcproducts.com.au

Telephone : +613 9558 8898

Emergency telephone number : +61 418 529 118

2. Hazard(s) identification

GHS classification of substance or mixture, and national or regional information :
Not classified

GHS label elements

Hazard symbol(s): No symbol

Signal Word: none

Hazard Statement(s): Not applicable

Precautionary statement(s):

Prevention: Not applicable

Response : Not applicable

Storage: Not applicable

Disposal: Not applicable

Other hazards which do not result in GHS classification: None.

3. Composition/information on ingredients

RTV167

Chemical nature: Mixture of polydimethylsiloxanes, fillers and cross-linkers.

Mixtures

Chemical Identity	CAS number	Concentration*
TITANIUM DIOXIDE	13463-67-7	0,1 - 1%
Octamethylcyclotetrasiloxane	556-67-2	0,1 - 1%

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

4. First-aid measures

Description of necessary first-aid measures

Inhalation: Move to fresh air.

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. Rinse mouth. Consult a physician for specific advice.

Symptoms caused by exposure

Symptoms: Treatment is symptomatic and supportive.

Hazards: No data available.

Medical attention and special treatment

Treatment: Not relevant.

5. Fire-fighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool.

Means of fire extinguishing

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.

Specific hazards arising from the chemical: No data available.

Special protective equipment and precautions for firefighters

RTV167

Special fire fighting procedures: Keep away from sources of ignition - No smoking.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus and protective clothing.

Hazchem Code: No data available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Keep container closed. Avoid contact with skin and eyes. Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the finger and hands. Product releases methanol during application and curing. Keep out of reach of children.

Environmental Precautions: Methods and material for containment and cleaning up: Avoid discharge into drains, water courses or onto the ground. Wipe, scrape or soak up in an inert material and put in a container for disposal. Wear proper protective equipment as specified in the protective equipment section.

7. Handling and storage

Precautions for safe handling: Methanol is formed during processing. Wear appropriate personal protective equipment.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a cool, well-ventilated place.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
TITANIUM DIOXIDE	TWA	10 mg/m ³	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)

Biological Limit Values

None of the components have assigned exposure limits.

Appropriate Engineering Controls: Eye wash facilities and emergency shower must be available when handling this product. Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

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

RTV167

Hand Protection:	Rubber gloves are recommended.
Other:	Wear suitable protective clothing and eye/face protection.
Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hygiene measures:	Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes, skin, and clothing. Observe good industrial hygiene practices. When using do not eat, drink or smoke. Wash hands after handling.

9. Physical and chemical properties

Appearance

Physical state:	solid
Form:	Paste
Color:	Gray
Odor:	Sweet
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range :	Not applicable
Flash Point:	Not applicable
Evaporation rate:	< 1
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure :	No data available.
Vapor density:	No data available.
Density:	ca. 1,11 g/cm ³
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	Insoluble
Solubility (other):	Insoluble
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No decomposition if stored and applied as directed.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	> 20,5 mm ² /s (40 °C)
Specific gravity:	No data available.

10. Stability and reactivity

Reactivity:	No dangerous reaction if used as recommended.
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RTV167

Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerisation does not occur. Avoid exposure to: Water
Conditions to avoid:	Reacts with water liberating small amounts of methanol.
Incompatible Materials:	Water. Strong Acids, Strong Bases
Hazardous Decomposition Products:	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

Information on likely routes of exposure

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity

Oral

Product:	Not classified for acute toxicity based on available data.
Specified substance(s):	
TITANIUM DIOXIDE	LD 50 (Rat): > 10.000 mg/kg
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.
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Specified substance(s):

RTV167

TITANIUM DIOXIDE LD 50 (Rabbit): > 10.000 mg/kg

Octamethylcyclotetra siloxane LD 50 (Rat): > 2.400 mg/kg (OECD Test Guideline 402)
Not classified

Inhalation

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

Specified substance(s):

TITANIUM DIOXIDE LC50 (Rat, 4 h): > 6,8 mg/l

Octamethylcyclotetrasiloxane LC50 (Rat, 4 h): 36 mg/l (OECD Test Guideline 403)

Repeated dose toxicity

Product: No data available.

Skin irritation and corrosion

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rat): No skin irritation

Serious Eye Damage/Eye Irritation

Product: No data available.

Specified substance(s):

TITANIUM DIOXIDE No eye irritation

Respiratory or Skin Sensitization

Product: No data available.

Specified substance(s):

TITANIUM DIOXIDE negative

Octamethylcyclotetrasiloxane , OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig)Not sensitizing

Carcinogenicity

Product: No data available.

Notifiable Carcinogenic Substances

No carcinogenic components identified

Prohibited Carcinogenic Substances

No carcinogenic components identified

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

RTV167

ACGIH Carcinogen List:

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s):

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)

In vivo

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane
 Chromosomal aberration (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female): negative

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity

Acute hazards to the aquatic environment

Fish

Product: No data available.

Specified substance(s):

TITANIUM DIOXIDE LC0 (Leuciscus idus, 48 h): > 1.000 mg/l

Aquatic Invertebrates

Product: No data available.

Chronic hazards to the aquatic environment

Fish

Product: No data available.

RTV167

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

TITANIUM DIOXIDE 0 %
 Octamethylcyclotetrasiloxane 3,7 % (29 d, 310 Ready Biodegradability - CO₂ in Sealed Vessels (Headspace Test)) Not readily biodegradable.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Specified substance(s):

Octamethylcyclotetrasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 12,40

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

TITANIUM DIOXIDE No data available.

Octamethylcyclotetrasiloxane No data available.

Other adverse effects: 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

Disposal instructions: 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.

RTV167

Contaminated Packaging: Dispose of as unused product.

14. Transport information

National Regulations

ADG

Not regulated.

International regulations

IATA

Not regulated.

IMDG

Not regulated.

Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

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. Protect from moisture. Keep away from food, foodstuff, acids and bases. keep away from odour sensitive materials

15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poisons Schedule Number

AU SUSMP 2	Poisons schedule number not allocated
AU SUSMP 3	Poisons schedule number not allocated
AU SUSMP 4	Poisons schedule number not allocated
AU SUSMP 5	Poisons schedule number not allocated
AU SUSMP 6	Poisons schedule number not allocated
AU SUSMP 7	Poisons schedule number not allocated
AU SUSMP 8	Poisons schedule number not allocated

RTV167

AU SUSMP 9	Poisons schedule number not allocated
AU SUSMP A	Poisons schedule number not allocated
AU SUSMP B	Poisons schedule number not allocated
AU SUSMP C	Poisons schedule number not allocated
AU SUSMP D	Poisons schedule number not allocated
AU SUSMP E	Poisons schedule number not allocated
AU SUSMP F	Poisons schedule number not allocated
AU SUSMP G	Poisons schedule number not allocated
AU SUSMP H	Poisons schedule number not allocated
AU SUSMP I	Poisons schedule number not allocated
AU SUSMP J	Poisons schedule number not allocated
AU SUSMP K	Poisons schedule number not allocated
AUSUSMPDS	Poisons schedule number not allocated

Notifiable Carcinogenic Substances

Not Regulated

Prohibited Carcinogenic Substances

Not Regulated

National Pollutant Inventory (NPI) substance reporting list

Not Regulated

Prohibited Substances (National Model Regulations for the Control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994))

Not Regulated

Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)

Not Regulated

RTV167

Importation of Ozone Depleting Substances (Customs (Prohibited Imports) Regulations 1956, Schedule 10)

Not Regulated

High Volume Industrial Chemicals (HVIC)

Not Regulated

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)	Remarks: None.
EU EINECS List:	y (positive listing)	Remarks: None.
Japan (ENCS) List:	n (Negative listing)	Remarks: None.
China Inventory of Existing Chemical Substances:	y (positive listing)	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	y (positive listing)	Remarks: None.
Canada DSL Inventory List:	y (positive listing)	Remarks: None.
Canada NDSL Inventory:	n (Negative listing)	Remarks: None.
New Zealand Inventory of Chemicals:	y (positive listing)	Remarks: None.
Philippines PICCS: US	y (positive listing)	Remarks: None.
TSCA Inventory:	y (positive listing)	Remarks: None.
Taiwan. Taiwan inventory (CSNN):	y (positive listing)	Remarks: None.

16.Other Information

Issue Date:	04.04.2018
Revision Date:	No data available.
Version #:	1.0
Further Information:	No data available.
Key abbreviations or acronyms used:	No data available.
References:	No data available.

RTV167

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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