

RTV142

SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product name: RTV142

Recommended use: Sealant

Limitations on use: For industrial use only.

Manufacturer/Importer/Distributor Information : Momentive Performance Materials Asia Pacific Pte, Ltd.
81 SCIENCE PARK DRIVE, THE CHADWICK #02-02, 118257
Singapore

Contact person : commercial.services@momentive.com

Telephone : +65-6496-2121

Telefax : +65-6496-2122

Emergency telephone number : +65 3165 2217 / +65 3158 1074

Responsible Department : Product Stewardship & Compliance

2 HAZARDS IDENTIFICATION

GHS classification:

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

GHS label elements:

Symbol(s):

Signal Word: none

Hazard Statement(s): Not applicable

Precautionary Statements

Prevention: Not applicable

Response: Not applicable

Disposal: 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: Mixture of polydimethylsiloxanes, fillers and cross-linkers.

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Substance or Preparation:

Mixtures

Hazardous ingredients:

Chemical Identity	CAS number	Concentration*
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl) -, reaction products with ammonia, octamethylcyclotetrasiloxane and silica	68937-51-9	10 - <30%
TITANIUM DIOXIDE	13463-67-7	<10%
Tris(3(trimethoxysilyl)propyl)isocyanurate	26115-70-8	<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

Inhalation:	If inhaled, move victim to fresh air and seek medical attention.
Eye contact:	Rinse the eye with water immediately. If eye irritation persists: Get medical advice/attention.
Skin Contact:	After contact with skin, remove product mechanically. Wash area with soap and water. Get medical attention.
Ingestion	Rinse mouth. Do NOT induce vomiting. Consult a physician for specific advice.
Likely Acute or Delayed Symptoms/Effects	Treatment is symptomatic and supportive.
Notes to the physician:	Treatment is symptomatic and supportive.

5 FIRE-FIGHTING MEASURES

Extinguishing media:	All standard extinguishing agents are suitable.
Unsuitable extinguishing media:	Avoid water in straight hose stream; will scatter and spread fire.
Specific hazard arising from the chemical:	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. Reacts with water liberating small amounts of methanol. This material is reactive with water, but the reaction will not significantly increase the fire severity.
Special protective action for fire fighters:	Wear self-contained breathing apparatus and protective clothing.

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6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Provide adequate ventilation. Use personal protective equipment.

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

Methods and material for containment and cleaning up: Take up with an absorbent for chemicals or, otherwise use dry sand. Sweep up or vacuum up spillage and collect in suitable container for disposal.

Notification Procedures: No data available.

7 HANDLING AND STORAGE

Precautions for safe handling: Keep away from sources of ignition - No smoking.

Condition for safe storage, including any incompatibilities: Store in the low moisture, dark, cool place below 27°C Keep container closed.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriated engineering control measures: No data available.

Occupational Exposure Limits:

Chemical name	Type	Exposure Limit Values	Source
TITANIUM DIOXIDE	TWA	10 mg/m3	Singapore. PELs. (Workplace Safety and Health (Permissible Exposure Levels of Toxic Substances) Order), as amended (2006)

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.

Personal protective equipment (ppe)

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. Gas mask with organic vapor canister and dust and mist filter.

Eye Protection: Safety glasses with side shields

Hand Protection: Chemical resistant gloves

Skin Protection: Wear suitable protective clothing and eye/face protection.

Hygiene measures: Provide adequate ventilation. Observe good industrial hygiene practices. Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state: solid
Form: Paste
Color: White

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Odor:	Sweet
Odor Threshold:	No data available.
pH:	No data available.
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:	No data available.
Vapor density (air=1):	No data available.
Density:	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	Insoluble
Solubility (other):	Insoluble
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:	> 7 mm ² /s (40 °C)
Explosive properties:	No data available.
Oxidizing properties:	No data available.

10 STABILITY AND REACTIVITY

Incompatible Materials:	The catalysis of strong acids or bases cause polymerization or decomposition.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Conditions to avoid:	Keep away from heat, sparks and open flame.
Hazardous Decomposition Products:	Carbon oxides Oxides of silicon. 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.
Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

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Information on toxicological effects

Acute toxicity

Oral

Product: ATEmix (): 122,534.62 mg/kg

Specified substance(s)

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica No data available.

TITANIUM DIOXIDE LD 50 (Rat): > 10,000 mg/kg

Tris(3(trimethoxysilyl)propyl)isocyanurate LD 50 (Rat, female): 1,460 mg/kg (No data available.)

Dermal

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

Specified substance(s)

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica No data available.

TITANIUM DIOXIDE LD 50 (Rabbit): > 10,000 mg/kg

Tris(3(trimethoxysilyl)propyl)isocyanurate LD 50 (Rat, No data available.): 16,000 mg/kg (No data available.)

Inhalation

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

Specified substance(s)

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica No data available.

TITANIUM DIOXIDE LC50 (Rat, 4 h): > 6.8 mg/l

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica No data available.

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Skin Corrosion/Irritation:

Product: No data available.

Specified substance(s)

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Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica
 TITANIUM DIOXIDE
 Tris(3(trimethoxysilyl)propyl)isocyanurate

No data available.
 No data available.
 No data available.

Serious Eye Damage/Eye Irritation:

Product: No data available.

Specified substance(s)

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica
 TITANIUM DIOXIDE
 Tris(3(trimethoxysilyl)propyl)isocyanurate

No data available.
 No eye irritation
 No data available.

Respiratory or Skin Sensitization:

Product: No data available.

Specified substance(s)

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica
 TITANIUM DIOXIDE
 Tris(3(trimethoxysilyl)propyl)isocyanurate

No data available.
 No data available.
 No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica
 TITANIUM DIOXIDE
 Tris(3(trimethoxysilyl)propyl)isocyanurate

No data available.
 No data available.
 No data available.

In vivo

Product: No data available.

Specified substance(s)

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica
 Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica
 TITANIUM DIOXIDE
 TITANIUM DIOXIDE
 Tris(3(trimethoxysilyl)propyl)isocyanurate
 Tris(3(trimethoxysilyl)propyl)isocyanurate

No data available.
 No data available.
 No data available.
 No data available.
 No data available.

Carcinogenicity

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Product: No data available.

Specified substance(s)

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica
 TITANIUM DIOXIDE No data available.
 Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica
 TITANIUM DIOXIDE No data available.
 Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica
 TITANIUM DIOXIDE No data available.
 Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica
 TITANIUM DIOXIDE No data available.
 Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica
 TITANIUM DIOXIDE No data available.
 Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Metabolism: No data available.

Other effects: No data available.

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12 ECOLOGICAL INFORMATION

General information: Not applicable

Ecotoxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s):

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica

TITANIUM DIOXIDE LC0 (Leuciscus idus, 48 h): > 1,000 mg/l

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s):

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica

TITANIUM DIOXIDE No data available.

Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s):

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction

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products with ammonia,
 octamethylcyclotetrasiloxane and
 silica
 TITANIUM DIOXIDE No data available.
 Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s):

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction
 products with ammonia,
 octamethylcyclotetrasiloxane and
 silica
 TITANIUM DIOXIDE 0 %
 Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

BOD/COD Ratio

Product: No data available.

Specified substance(s):

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction
 products with ammonia,
 octamethylcyclotetrasiloxane and
 silica
 TITANIUM DIOXIDE No data available.
 Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Bioaccumulative potential

Product: No data available.

Specified substance(s):

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction
 products with ammonia,
 octamethylcyclotetrasiloxane and
 silica
 TITANIUM DIOXIDE No data available.
 Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction
 products with ammonia,
 octamethylcyclotetrasiloxane and
 silica
 TITANIUM DIOXIDE No data available.
 Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Results of PBT and vPvB assessment: No data available.

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Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, reaction products with ammonia, octamethylcyclotetrasiloxane and silica
 TITANIUM DIOXIDE
 Tris(3(trimethoxysilyl)propyl)isocyanurate

No data available.
 No data available.
 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: 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: Singapore. PELs. (Workplace Safety and Health (Permissible Exposure Levels of Toxic Substances) Order), as amended

16 OTHER INFORMATION

Inventory Status

Australia AICS:	y (positive listing)	Remarks: None.
EU EINECS List:	y (positive listing)	Remarks: None.
Japan (ENCS) List:	y (positive 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.
Philippines PICCS:	y (positive listing)	Remarks: None.
US TSCA Inventory:	y (positive listing)	Remarks: On TSCA Inventory

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Taiwan Chemical Substance Inventory: REACH:	y (positive listing)	Remarks: None.
	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: ARGHS_SG
Issue Date: 2020/01/07
Disclaimer:

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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