

RTV142

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name: RTV142

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Silicone Elastomer

Uses advised against: Not known.

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

**Manufacturer/Importer/Distributor Information** : Momentive Performance Materials GmbH  
Chempark Leverkusen Gebaeude V7  
DE - 51368 Leverkusen  
Germany

Supplied by:  
**Sil-Mid Limited**  
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00800.4321.1000 (Customer Service Centre)

### 1.4

**Emergency telephone number** : Europe, Israel & All other: +44 (0) 1235239670; Middle East: +44 (0) 1235239671

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

**Classification according to Regulation (EC) No 1272/2008 as amended.**

Not classified

### Supplemental label information

**Additional Information:** EUH210: Safety data sheet available on request.  
No data available.

**2.3 Other hazards** No data available.

## SECTION 3: Composition/information on ingredients

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

### 3.2 Mixtures

**General information:** No data available.

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| Chemical name                              | Concentration | CAS-No.    | EC No.    | REACH Registration No. | M-Factor:          | Notes |
|--------------------------------------------|---------------|------------|-----------|------------------------|--------------------|-------|
| Tris(3(trimethoxysilyl)propyl)isocyanurate | 1 - <5%       | 26115-70-8 | 247-465-8 | MP471235-22            | No data available. |       |

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

# # This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

**Classification**

| Chemical name                              | Classification       | Notes |
|--------------------------------------------|----------------------|-------|
| Tris(3(trimethoxysilyl)propyl)isocyanurate | Acute Tox.: 4: H302; |       |

CLP: Regulation No. 1272/2008.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

|                      |                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>   | Move into fresh air and keep at rest.                                                                       |
| <b>Eye contact:</b>  | Rinse the eye with water immediately. If eye irritation persists: Get medical advice/attention.             |
| <b>Skin Contact:</b> | After contact with skin, remove product mechanically. Wash area with soap and water. Get medical attention. |
| <b>Ingestion:</b>    | Rinse mouth. Do NOT induce vomiting. Consult a physician for specific advice.                               |

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

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

|                   |                    |
|-------------------|--------------------|
| <b>Hazards:</b>   | No data available. |
| <b>Treatment:</b> | No data available. |

**SECTION 5: Firefighting measures**

**General Fire Hazards:** Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**5.1 Extinguishing media**

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

**Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.

**5.2 Special hazards arising from the substance or mixture:** No data available.

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**5.3 Advice for firefighters**

**Special fire fighting procedures:**

No data available.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Provide adequate ventilation. Use personal protective equipment.

**6.2 Environmental Precautions:**

Do not allow runoff to sewer, waterway or ground.

**6.3 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.

**6.4 Reference to other sections:**

No data available.

**SECTION 7: Handling and storage:**

**7.1 Precautions for safe handling:**

Methanol is formed during processing. Wear appropriate personal protective equipment.

**Storage conditions:**

Keep away from heat, sparks and open flame. Keep container tightly closed in a cool, well-ventilated place.

**7.2 Conditions for safe storage, including any incompatibilities:**

Keep container tightly closed in a cool, well-ventilated place.

**Storage Stability:**

Material is stable under normal conditions.

**7.3 Specific end use(s):**

No data available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control Parameters**

**Occupational Exposure Limits**

| Chemical name                  | Type | Exposure Limit Values | Source                                              |
|--------------------------------|------|-----------------------|-----------------------------------------------------|
| TITANIUM DIOXIDE - Inhalable   | TWA  | 10 mg/m <sup>3</sup>  | UK. EH40 Workplace Exposure Limits (WELs) (12 2011) |
| TITANIUM DIOXIDE - Respirable. | TWA  | 4 mg/m <sup>3</sup>   | UK. EH40 Workplace Exposure Limits (WELs) (12 2011) |

**Biological Limit Values**

None.

**8.2 Exposure controls**

**Appropriate Engineering Controls:**

No data available.

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

**General information:**

Wear suitable gloves and eye/face protection.

**Eyeface protection:**

Safety glasses with side-shields conforming to EN166

**Skin protection**

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|                                         |                                                                                                                                                                                         |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hand Protection:</b>                 | Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.                                                              |
| <b>Other:</b>                           | Chemical resistant clothing Wear rubber boots.                                                                                                                                          |
| <b>Respiratory Protection:</b>          | In case of inadequate ventilation use suitable respirator.                                                                                                                              |
| <b>Hygiene measures:</b>                | 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. |
| <b>Environmental exposure controls:</b> | No data available.                                                                                                                                                                      |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|                                                         |                                                     |
|---------------------------------------------------------|-----------------------------------------------------|
| <b>Physical state:</b>                                  | solid                                               |
| <b>Form:</b>                                            | Paste                                               |
| <b>Color:</b>                                           | White                                               |
| <b>Odor:</b>                                            | Sweet                                               |
| <b>Odor Threshold:</b>                                  | No data available.                                  |
| <b>pH:</b>                                              | No data available.                                  |
| <b>Melting Point:</b>                                   | No data available.                                  |
| <b>Boiling Point:</b>                                   | Not applicable                                      |
| <b>Flash Point:</b>                                     | > 93,3 °C (estimated)                               |
| <b>Evaporation Rate:</b>                                | No data available.                                  |
| <b>Flammability (solid, gas):</b>                       | No data available.                                  |
| <b>Flammability Limit - Upper (%):</b>                  | No data available.                                  |
| <b>Flammability Limit - Lower (%):</b>                  | No data available.                                  |
| <b>Vapor pressure:</b>                                  | No data available.                                  |
| <b>Vapor density (air=1):</b>                           | No data available.                                  |
| <b>Density:</b>                                         | 1,097 g/cm <sup>3</sup>                             |
| <b>Relative density:</b>                                | No data available.                                  |
| <b>Solubility(ies)</b>                                  |                                                     |
| <b>Solubility in Water:</b>                             | Insoluble                                           |
| <b>Solubility (other):</b>                              | Insoluble                                           |
| <b>Partition coefficient (n-octanol/water) Log Pow:</b> | No data available.                                  |
| <b>Autoignition Temperature:</b>                        | No data available.                                  |
| <b>Decomposition Temperature:</b>                       | No decomposition if stored and applied as directed. |
| <b>SADT:</b>                                            | No data available.                                  |
| <b>Viscosity, dynamic:</b>                              | No data available.                                  |
| <b>Viscosity, kinematic:</b>                            | > 7 mm <sup>2</sup> /s (40 °C)                      |
| <b>Explosive properties:</b>                            | No data available.                                  |
| <b>Oxidizing properties:</b>                            | No data available.                                  |

## SECTION 10: Stability and reactivity

**10.1 Reactivity:** Reacts with water liberating small amounts of methanol.

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

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|                                                 |                                                                                                                                                                                              |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>10.3 Possibility of hazardous reactions:</b> | Under normal conditions of storage and use, hazardous polymerization will not occur.                                                                                                         |
| <b>10.4 Conditions to avoid:</b>                | Keep away from moisture.                                                                                                                                                                     |
| <b>10.5 Incompatible Materials:</b>             | Strong Acids, Strong Bases                                                                                                                                                                   |
| <b>10.6 Hazardous Decomposition Products:</b>   | 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. |

**SECTION 11: Toxicological information**

**General information:** Our Experience shows that our Silicone Elastomer products can be handled without risk to health if used properly and if the usual precautions for industrial hygiene are observed.

**Information on likely routes of exposure**

|                      |                    |
|----------------------|--------------------|
| <b>Inhalation:</b>   | No data available. |
| <b>Ingestion:</b>    | No data available. |
| <b>Skin Contact:</b> | No data available. |
| <b>Eye contact:</b>  | No data available. |

**11.1 Information on toxicological effects**

**Acute toxicity**

**Oral**

|                                            |                          |
|--------------------------------------------|--------------------------|
| <b>Product:</b>                            | ATEmix: 122.534,62 mg/kg |
| <b>Specified substance(s)</b>              |                          |
| Tris(3(trimethoxysilyl)propyl)isocyanurate | LD 50 (Rat): 1.460 mg/kg |

**Dermal**

|                                            |                                                            |
|--------------------------------------------|------------------------------------------------------------|
| <b>Product:</b>                            | Not classified for acute toxicity based on available data. |
| <b>Specified substance(s)</b>              |                                                            |
| Tris(3(trimethoxysilyl)propyl)isocyanurate | LD 50 (Rat): 16.000 mg/kg                                  |

**Inhalation**

|                                            |                                                            |
|--------------------------------------------|------------------------------------------------------------|
| <b>Product:</b>                            | Not classified for acute toxicity based on available data. |
| <b>Specified substance(s)</b>              |                                                            |
| Tris(3(trimethoxysilyl)propyl)isocyanurate | No data available.                                         |

**Repeated dose toxicity**

|                                            |                    |
|--------------------------------------------|--------------------|
| <b>Product:</b>                            | No data available. |
| <b>Specified substance(s)</b>              |                    |
| Tris(3(trimethoxysilyl)propyl)isocyanurate | No data available. |

**Skin Corrosion/Irritation:**

|                 |                    |
|-----------------|--------------------|
| <b>Product:</b> | No data available. |
|-----------------|--------------------|

**Specified substance(s)**

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

**Serious Eye Damage/Eye Irritation:**

**Product:** No data available.

**Specified substance(s)**  
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Respiratory or Skin**

**Sensitization:**

**Product:** No data available.

**Specified substance(s)**  
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**Specified substance(s)**  
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**In vivo**

**Product:** No data available.

**Specified substance(s)**  
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Carcinogenicity**

**Product:** No data available.

**Specified substance(s)**  
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specified substance(s)**  
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specified substance(s)**  
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Specified substance(s)**  
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

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**Aspiration Hazard**

**Product:** No data available.

**Specified substance(s)**

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

**Other effects:** No data available.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Acute toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

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

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

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

**Chronic Toxicity**

**Fish**

**Product:** No data available.

**Specified substance(s)**

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

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

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

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

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

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

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

**BOD/COD Ratio  
Product**

No data available.

**Specified substance(s)**

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

**12.3 Bioaccumulative potential**

**Product:**

No data available.

**Specified substance(s)**

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

**12.4 Mobility in soil:**

No data available.

**Known or predicted distribution to environmental compartments**

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

**12.5 Results of PBT and vPvB  
assessment:**

No data available.

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

**12.6 Other adverse effects:**

No data available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**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:**

Can be incinerated when in compliance with local regulations.

**SECTION 14: Transport information**

**ADR**

Not regulated.

**ADN**

Not regulated.

**RID**

Not regulated.

**IMDG**

Not regulated.

**IATA**

Not regulated.

SDS\_GB

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**14.6 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

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

Not applicable

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**EU Regulations**

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** none

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** none

**Regulation (EC) No. 649/2012 Import and export of dangerous chemicals:** none

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:** none

**EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):** none

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:** none

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:** none

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:** none

**Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances:** none

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:** none

**Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:** none

**15.2 Chemical safety assessment:**

No Chemical Safety Assessment has been carried out.

**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. |

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|                                      |                                                                                                                                                                                                                                                                                                                                                                                                   |                            |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| 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 |
| Taiwan Chemical Substance Inventory: | y (positive listing)                                                                                                                                                                                                                                                                                                                                                                              | Remarks: None.             |
| REACH:                               | If purchased from Momentive Performance Materials GmbH in Leverkusen, Germany, all substances in this product have been registered or are intended to be 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.             |

**SECTION 16: Other information**

|                                                        |                       |
|--------------------------------------------------------|-----------------------|
| <b>Revision Information:</b>                           | Not relevant.         |
| <b>Key literature references and sources for data:</b> | No data available.    |
| <b>Wording of the H-statements in section 2 and 3</b>  |                       |
| H302                                                   | Harmful if swallowed. |
| <b>Training information:</b>                           | No data available.    |
| <b>Issue Date:</b>                                     | 12.08.2018            |

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**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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