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### RTV162 12C-Crtrg (0.725LBS-0.329KG)

# SAFETY DATA SHEET

# 1. Identification

Product identifier: RTV162 12C-Crtrg (0.725LBS-0.329KG)

Other means of identification

Synonyms: POLYDIMETHYLSILOXANE SEALANT

Recommended use and restriction on use

Recommended use: Sealant

Restrictions on use: For industrial use only.

Manufacturer/Importer/Distr :

ibutor Information

Momentive Performance Materials - Daytona

703 South Street

New Smyrna Beach FL 32168

**Contact person** commercial.services@momentive.com

**Telephone** General information

+1-800-295-2392

**Emergency telephone** 

number

**Supplier CHEMTREC** 

1-800-424-9300

# 2. Hazard(s) identification

**Hazard Classification** 

Not classified

**Label Elements** 

**Hazard Symbol:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** Not applicable

**Precautionary Statements** 

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

Not applicable

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Substance(s) formed under the Generates methanol during cure. conditions of use:

# 3. Composition/information on ingredients

#### **Mixtures**

Chemical Identity	CAS number	Content in percent (%)*	Notes
Silanamine, 1,1,1-trimethyl-N- (trimethylsilyl) -, reaction products with ammonia, octamethylcyclotetrasiloxane and silica	68937-51-9	10 - <20%	No data available.
Tris(3(trimethoxysilyI)propyI)is ocyanurate	26115-70-8	1 - <5%	No data available.
(1) TITANIUM DIOXIDE	13463-67-7	0.1 - <1%	# This substance has workplace exposure limit(s).

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

### 4. First-aid measures

**Ingestion:** If swallowed, do NOT induce vomiting. Give a glass of water.

**Inhalation:** If inhaled, remove to fresh air. If not breathing give artificial respiration

using a barrier device. If breathing is difficult give oxygen. Get medical

attention.

**Skin Contact:** To clean from skin, remove completely with a dry cloth or paper towel,

before washing with detergent 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.

Most important symptoms/effects, acute and delayed

**Symptoms:** No data available.

**Hazards:** No data available.

Indication of immediate medical attention and special treatment needed

**Treatment:** Treatment is symptomatic and supportive.

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<sup>(1)</sup> 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.



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# 5. Fire-fighting measures

**General Fire Hazards:** Use standard firefighting procedures and consider the hazards of other

involved materials. Prevent runoff from fire control or dilution from entering

streams, sewers, or drinking water supply.

## 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.

Specific hazards 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 equipment and precautions for firefighters

Special fire fighting

procedures:

No data available.

Special protective equipment

for fire-fighters:

Firefighters must wear NIOSH/MSHA approved positive pressure selfcontained breathing apparatus with full face mask and full protective

clothing.

# 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. May generate formaldehyde at temperatures greater than 150 C(300 F). See Section 8 of the SDS for Personal Protective Equipment.

Methods and material for containment and cleaning up:

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:

Sensitivity to static discharge is not expected. Methanol is formed during processing. Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment. Do not eat, drink or smoke when using the product. Wash thoroughly after handling.

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Conditions for safe storage, including any incompatibilities:

Keep away from heat, sparks and open flame. Keep container tightly closed.

# 8. Exposure controls/personal protection

#### **Control Parameters**

**Occupational Exposure Limits** 

Chemical Identity	Туре	<b>Exposure Limit Values</b>	Source
(1) TITANIUM DIOXIDE	TWA	10 mg/m3	US. ACGIH Threshold Limit Values, as amended (03 2015)
(1) TITANIUM DIOXIDE - Total dust.	PEL	15 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
	TWA	10 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
	TWA	10 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)
(1) TITANIUM DIOXIDE - Particulate.	ST ESL	50 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	AN ESL	5 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
(1) TITANIUM DIOXIDE - Total dust.	TWA PEL	10 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)
(1) TITANIUM DIOXIDE - Respirable fraction.	TWA PEL	5 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)
	TWA	15 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)
(1) TITANIUM DIOXIDE - Total dust.	TWA	15 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)
(1) TITANIUM DIOXIDE - Respirable fraction.	TWA	5 mg/m3	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)
(1) TITANIUM DIOXIDE - Total dust.	TWA	50 millions of particles per cubic foot of air	US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)
(1) TITANIUM DIOXIDE	IDLH	5,000 mg/m3	US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)

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.

# 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.

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

**General information:** No data available.

**Eye/face protection:** Safety glasses with side shields

**Skin Protection** 

**Hand Protection:** Rubber gloves are recommended.

**Other:** Wear suitable protective clothing and eye/face protection.

**Respiratory Protection:** If exposure limits are exceeded or respiratory irritation is experienced,

NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA

regulations (see 29CFR 1910.134).

**Hygiene measures:** It is good practice in industrial hygiene to avoid contact with solvents by

using appropriate protective measures whenever possible.

# 9. Physical and chemical properties

#### **Appearance**

Physical state: solid
Form: Paste
Color: White
Odor: Alcohol

Odor threshold:

pH:

No data available.

Plash Point:

Paporation rate:

No data available.

No data available.

No data available.

No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%):

Flammability limit - lower (%):

Explosive limit - upper:

Explosive limit - lower:

No data available.

No data available.

No data available.

No data available.

Vapor pressure: No data available.

Vapor density:No data available.Density:ca. 1.085 g/cm3Relative density:ca. 1.085

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Solubility(ies)

Solubility in water: Insoluble

Solubility (other): No data available.

Partition coefficient (n-octanol/water) Log No data available.

Pow:

Auto-ignition temperature: 450 °C

Decomposition temperature:No data available.SADT:No data available.Viscosity, dynamic:No data available.Viscosity, kinematic:> 20.5 mm2/s (40 °C)

**VOC:** 44 g/l ;

# 10. Stability and reactivity

**Reactivity:** No dangerous reaction if used as recommended.

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

Possibility of hazardous

reactions:

Hazardous polymerization 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

**Ingestion:** No data available.

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

### Symptoms related to the physical, chemical and toxicological characteristics

**Ingestion:** No data available.

**Inhalation:** No data available.

**Skin Contact:** No data available.

**Eye contact:** No data available.

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## Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

**Product:** 

ATEmix: 141,459.16 mg/kg

Specified substance(s):

Tris(3(trimethoxysilyl)pro pyl)isocyanurate

LD 50 (Rat, female): 1,460 mg/kg

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

**Dermal** 

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

Specified substance(s):

Tris(3(trimethoxysilyl)pro

pyl)isocyanurate

LD 50 (Rat, No data available.): 16,000 mg/kg

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

Inhalation

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

Specified substance(s):

(1) TITANIUM DIOXIDE LC50 (Rat): > 6.8 mg/l

Repeated dose toxicity

**Product:** No data available.

Skin Corrosion/Irritation

**Product:** No data available.

Serious Eye Damage/Eye Irritation

**Product:** No data available.

Respiratory or Skin Sensitization

**Product:** No data available.

Carcinogenicity

**Product:** No data available.

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### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogenic components identified

**Germ Cell Mutagenicity** 

In vitro

**Product:** No data available.

In vivo

**Product:** No data available.

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):

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

**Aquatic Invertebrates** 

**Product:** No data available.

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Chronic hazards to the aquatic environment:

**Fish** 

**Product:** No data available.

**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):

(1) TITANIUM DIOXIDE 0 %

**BOD/COD Ratio** 

**Product:** No data available.

**Bioaccumulative potential** 

**Bioconcentration Factor (BCF)** 

**Product:** No data available.

Partition Coefficient n-octanol / water (log Kow)

**Product:** No data available.

**Mobility in soil:** No data available.

Known or predicted distribution to environmental compartments

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

octamethylcyclotetrasiloxan

e and silica

Tris(3(trimethoxysilyl)propyl No data available.

)isocyanurate

(1) TITANIUM DIOXIDE No data available.

Other adverse effects: No data available.

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# 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 instructions:** Disposal should be made in accordance with federal, state and local

regulations.

**Contaminated Packaging:** Dispose of as unused product.

# 14. Transport information

#### DOT

Not regulated.

#### **IMDG**

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

### **US Federal Regulations**

## TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

#### **CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

# Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### **Hazard categories**

Not classified

### **SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

# SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

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#### SARA 311/312 Hazardous Chemical

<u>Chemical Identity</u> <u>Threshold Planning Quantity</u>

Silanamine, 1,1,1- 10000 lbs trimethyl-N-(trimethylsilyl) -

, reaction products with

ammonia,

octamethylcyclotetrasiloxa

ne and silica

Tris(3(trimethoxysilyl)prop

10000 lbs

yl)isocyanurate

(1) TITANIUM DIOXIDE 10000 lbs

## SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

### Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

#### **US State Regulations**

#### **US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

## **US. New Jersey Worker and Community Right-to-Know Act**

# **Chemical Identity**

Dimethylpolysiloxane

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

SILOXANES AND SILICONES, DI-ME

Methyltrimethoxysilane

Bis(ethyl acetoacetato-O1',O3) [propane-1,3-diolato(2-) -O,O'] titanium,

Titanium, bis[ethyl 3-(oxo-.kappa.O) butanoato-.kappa.O'] [1,3-

propanediolato(2-) -.kappa.O,.kappa.O'] -

(1) TITANIUM DIOXIDE

#### **US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

# US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

#### **US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

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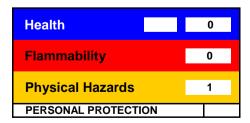
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**Inventory Status:** 

nventory 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.	Remarks: None.
Australia AICS:	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	On or in compliance with the inventory	Remarks: None.
EINECS, ELINCS or NLP:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: None.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.

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

# **HMIS Hazard ID**



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

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**Issue Date:** 04/14/2020

**Revision Date:** No data available.

Version #: 4.2

Further Information: No data available.

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.

Keep out of the reach of children.

## **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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