

# MATERIAL SAFETY DATA SHEET

Version: 1.10  
07/17/2012

## RTV162 POLYDIMETHYLSILOXANE SEALANT

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer Name:** Momentive performance material  
260 Hudson River Rd  
Waterford NY 12188

**Revised:** 07/17/2012

**Prepared by:** Product Regulatory Compliance  
**CHEMTRAC** 1-800-424-9300

**MSDS Contact:**

**InO( )278LnmanDSi**

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Canadian WHMIS act.

### CHRONIC EFFECTS / CARCINOGENICITY

This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

### ROUTES OF EXPOSURE

Eye; Dermal

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>PRODUCT COMPOSITION</u>	<u>CAS-No.</u>	<u>WGT. %</u>
<b><u>A. HAZARDOUS</u></b>		
Methyltrimethoxysilane	1185-55-3	1 - 5 %
Tris(3(trimethoxysilyl)propyl)isocyanurate	26115-70-8	1 - 5 %
<b><u>B. NON-HAZARDOUS</u></b>		
Dimethylpolysiloxane	70131-67-8	60 - 100 %
Treated Silica	68937-51-9	10 - 30 %
Polydimethylsiloxane	63148-62-9	5 - 10 %
1,3 PROPANEDIOXYTITANIUM-BIS-	36497-11-7	1 - 5 %

## 4. FIRST AID MEASURES

### INGESTION

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

### SKIN

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.

### INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If

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breathing is difficult give oxygen. Get medical attention.

### EYES

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### NOTE TO PHYSICIAN

Treatment is symptomatic and supportive.

## 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** > 93.3 °C; 200 °F  
**METHOD** Estimated  
**IGNITION TEMPERATURE:** 450 °C; 842 °F  
**FLAMMABLE LIMITS LEL:** No data available.  
**FLAMMABLE LIMITS UEL:** No data available.

**SENSITIVITY TO MECHANICAL IMPACT:** No

### SENSITIVITY TO STATIC DISCHARGE

Sensitivity to static discharge is not expected.

### EXTINGUISHING MEDIA

All standard extinguishing agents are suitable.

### SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

### ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

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 TO BE TAKEN IN HANDLING AND STORAGE

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

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methanol during application and curing. Keep out of reach of children.

### STORAGE

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 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.

### 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).

### EYE AND FACE PROTECTION

Safety glasses with side shields

### OTHER PROTECTIVE EQUIPMENT

Wear suitable protective clothing and eye/face protection.

### Exposure Guidelines

Component	CAS-No.	Source	Value
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Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average; INTL REL - Internal Recommended Exposure Limit

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE (20 C) (MM HG):	No data available.
VAPOR DENSITY (AIR=1):	No data available.
PHYSICAL STATE:	Paste
ODOR:	Alcohol

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Color:	White
EVAPORATION RATE (BUTYL ACETATE=1):	No data available.
SPECIFIC GRAVITY:	ca. 1.085
DENSITY:	ca. 1.085 g/cm <sup>3</sup>
ACID / ALKALINITY (MEQ/G):	No data available.
pH:	No data available.
SOLUBILITY IN WATER (20 C):	Insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	Insoluble
VOLATILE ORGANIC CONTENT:	4 %(m)
VOC EXCL. H <sub>2</sub> O & EXEMPTS (G/L):	44 g/l

### 10. STABILITY AND REACTIVITY

#### STABILITY

Stable

#### HAZARDOUS POLYMERIZATION.

Hazardous polymerisation does not occur.

#### HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Carbon dioxide; Silicon dioxide.; Formaldehyde.; This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. A MSDS for formaldehyde is available from Momentive.

#### INCOMPATIBLE MATERIALS

None known.

#### CONDITIONS TO AVOID

None known.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE ORAL

Remarks: No data available.

#### CARCINOGENICITY

The National Toxicology Program (NTP) classifies formaldehyde as "known to be a human carcinogen" with respect to nasopharyngeal cancer, sinonasal cancer and myeloid leukemia. The International Agency for Research on Cancer (IARC) classifies formaldehyde as "carcinogenic to humans". U.S. OSHA regulates formaldehyde as a potential human carcinogen. See the OSHA Formaldehyde Workplace Standard at 29 CFR 1920.1048 (the "OSHA Standard"). Safe handling and use instructions

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are provided in this MSDS and in the OSHA Standard. OSHA has identified 0.5 ppm, calculated as an eight-hour time-weighted average ("TWA") concentration, as the "Action Level". Please review and understand the guidance contained in this MSDS, and refer to the OSHA Standard for regulatory requirements that might be applicable to your operation and use. Many studies and other evaluations have been performed concerning formaldehyde's potential to cause cancer. To review some of these studies and for further information go to [www.osha.gov](http://www.osha.gov); <http://monographs.iarc.fr>; <http://ntp-server.niehs.nih.gov>; <http://epa.gov>; <http://www.nap.edu> and other authoritative websites then search on formaldehyde.

### ACUTE DERMAL

Remarks: No data available.

### ACUTE INHALATION

Remarks: No data available.

### SENSITIZATION

No data available.

### SKIN IRRITATION.

No data available.

### EYE IRRITATION

No data available.

### MUTAGENICITY

No data available.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

No data available.

### DISTRIBUTION

No data available.

### CHEMICAL FATE

No data available.

## 13. DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Disposal should be made in accordance with federal, state and local regulations.

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### 14. TRANSPORT INFORMATION

**Further Information:** This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

### 15. REGULATORY INFORMATION

#### Inventories

Australia Inventory of Chemical Substances (AICS)	y (positive listing)	
EU list of existing chemical substances	y (positive listing)	The mixture contains a polymer. The monomers for this polymer have been notified.
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (positive listing)	
China Inventory of Existing Chemical Substances	y (positive listing)	
Korea Existing Chemicals Inventory (KECI)	y (positive listing)	
Canada DSL Inventory	y (positive listing)	
Canada NDSL Inventory	n (Negative listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)	
TSCA list	y (positive listing)	On TSCA Inventory

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

#### US Regulatory Information

**SARA (311,312) HAZARD CLASS**  
Acute Health Hazard

#### **CALIFORNIA PROPOSITION 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### **Canadian Regulatory Information**

#### **WHMIS CLASSIFICATION**

D2A - Very Toxic Material Causing Other Toxic Effects

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### 16. OTHER INFORMATION

#### OTHER

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

,C = ceiling limit      NEGL = negligible  
EST = estimated      NF = none found  
NA = not applicable      UNKN = unknown  
NE = none established      REC = recommended  
ND = none determined      V = recommended by vendor  
SKN = skin      TS = trade secret  
R = recommended      MST = mist  
NT = not tested      STEL = short term exposure limit  
ppm = parts per million      ppb = parts per billion  
By-product= reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2).