

**RTV615  
SILICONE POTTING COMPOUND****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

**Revised:** 07/10/2014

**Prepared by** Product Safety Team  
**CHEMTREC** 1-800-424-9300  
**MSDS Contact** 1-888-443-9466  
**Information** 4information@momentive.com

**Chemical Family/Use:** Silicone Elastomer

**Formula:** Mixture

**HMIS**

Health: 1 Flammability: 1 Reactivity: 0

**NFPA**

Health: 1 Flammability: 1 Reactivity: 0

**2. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

CAUTION! May cause skin, eye, and respiratory tract irritation. Attention: Not for injection into humans.

**Form:** Liquid

**Color:** Colorless

**Odor:** Faint

**POTENTIAL HEALTH EFFECTS****INGESTION**

Not an anticipated route of exposure.

**SKIN**

May cause skin irritation.

**MEDICAL CONDITIONS AGGRAVATED**

None known.

**SUBCHRONIC (TARGET ORGAN )**

None known.

**CHRONIC EFFECTS / CARCINOGENICITY**

No data available.

**RTV615  
SILICONE POTTING COMPOUND****ROUTES OF EXPOSURE**

Inhalation

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>PRODUCT COMPOSITION</u>	<u>CAS-No.</u>	<u>WGT. %</u>
<b><u>A. HAZARDOUS</u></b>		
<b><u>B. NON-HAZARDOUS</u></b>		
polyvinylsiloxane	68083-19-2	60 - 100 %
Polyalkylalkenylsiloxane	68584-83-8	10 - 30 %

**4. FIRST AID MEASURES****INGESTION**

If swallowed, do NOT induce vomiting. Give a glass of water. Do not give victim anything to drink if he is unconscious. Get medical attention.

**SKIN**

Wash with soap and 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.

**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:**

&gt; 121 °C; 250 °F

**RTV615  
SILICONE POTTING COMPOUND**

---

**IGNITION TEMPERATURE:** Not applicable  
**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.

**FURTHER INFORMATION**  
Use standard firefighting procedures and consider the hazards of other involved materials.

**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. Wash walking surfaces with detergent and water to reduce slipping hazard. 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 eyes, skin, and clothing. Keep out of reach of children. May generate formaldehyde at temperatures greater than 150 C(300 F). See Section 8 of the MSDS for Personal Protective Equipment.

**STORAGE**  
Keep container closed.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS**  
Eye wash facilities and emergency shower must be available when handling this product.

**RTV615  
SILICONE POTTING COMPOUND****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).

**PROTECTIVE GLOVES**

Rubber gloves are recommended.

**EYE AND FACE PROTECTION**

Safety glasses with side shields

**OTHER PROTECTIVE EQUIPMENT**

Wear suitable protective clothing and eye/face protection.

**Exposure Guidelines**

<b><u>Component</u></b>	<b><u>CAS-No.</u></b>	<b><u>Source</u></b>	<b><u>Value</u></b>
-------------------------	-----------------------	----------------------	---------------------

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**

<b>BOILING POINT (°C):</b>	>260 °C; 500 °F
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	Negligible
<b>VAPOR DENSITY (AIR=1):</b>	1.0
<b>FREEZING POINT:</b>	Not applicable
<b>PHYSICAL STATE:</b>	Liquid
<b>ODOR:</b>	Faint
<b>Color:</b>	Colorless
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	< 1
<b>SPECIFIC GRAVITY:</b>	ca. 0.99
<b>DENSITY:</b>	ca. 0.99 g/cm <sup>3</sup>
<b>ACID / ALKALINITY (MEQ/G):</b>	No data available.
<b>pH:</b>	No data available.
<b>SOLUBILITY IN WATER (20 C):</b>	Insoluble
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	Toluene
<b>VOC EXCL. H<sub>2</sub>O &amp; EXEMPTS (G/L):</b>	137 g/l

**RTV615  
SILICONE POTTING COMPOUND**

---

**10. STABILITY AND REACTIVITY****STABILITY**

Stable

**HAZARDOUS POLYMERIZATION.**

Hazardous polymerisation does not occur.

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

Carbon Monoxide.; 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 has been classified by the National Toxicology Program as a known human carcinogen. An (M)SDS 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 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.

**RTV615  
SILICONE POTTING COMPOUND**

---

**ACUTE DERMAL**

Remarks: No data available.

**ACUTE INHALATION**

Remarks: No data available.

**OTHER**

None.

**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.

**14. TRANSPORT INFORMATION**

**RTV615  
SILICONE POTTING COMPOUND****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)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	q (quantity restricted)	
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)	
New Zealand Inventory of Chemicals	y (positive 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**

Warning! This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**Canadian Regulatory Information****WHMIS CLASSIFICATION**

- This is not a WHMIS controlled product.

**RTV615  
SILICONE POTTING COMPOUND**

---

**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).



**RTV615  
Crosslinking Agent****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

**Revised:** 05/24/2012  
**Prepared by** Product Regulatory Compliance  
**CHEMTREC** 1-800-424-9300  
**MSDS Contact** 1-888-443-9466  
**Information** 4information@momentive.com

**Chemical Family/Use:** Silicone Elastomer

**Formula:** Mixture of polydimethylsiloxane terminated with vinyl and hydrogen groups.

**HMIS**

Health: 1 Flammability: 1 Reactivity: 0

**NFPA**

Health: 1 Flammability: 1 Reactivity: 0

**2. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

CAUTION! May cause skin, eye, and respiratory tract irritation. Product generates flammable gas on contact with acids, bases or oxidizing substances.

**Form:** Liquid

**Color:** Colorless

**Odor:** Faint

**POTENTIAL HEALTH EFFECTS****INGESTION**

Not an anticipated route of exposure.

**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**

Dermal; Eye

**RTV615  
Crosslinking Agent****3. COMPOSITION/INFORMATION ON INGREDIENTS****PRODUCT COMPOSITION****CAS-No.****WGT. %****A. HAZARDOUS****B. NON-HAZARDOUS**

polyvinylsiloxane	68083-19-2	30 - 60 %
METHYLHYDROGENPOLYSILOXANE	68988-57-8	30 - 60 %

**4. FIRST AID MEASURES****INGESTION**

If swallowed, do NOT induce vomiting. Give a glass of water. Do not give victim anything to drink if he is unconscious. Get medical attention.

**SKIN**

Wash with soap and 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.

**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:	> 121 °C; 250 °F
IGNITION TEMPERATURE:	Not applicable
FLAMMABLE LIMITS LEL:	No data available.
FLAMMABLE LIMITS UEL:	No data available.

SENSITIVITY TO MECHANICAL IMPACT:	No
-----------------------------------	----

**RTV615  
Crosslinking Agent**

---

**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.

**FURTHER INFORMATION**

Use standard firefighting procedures and consider the hazards of other involved materials.

**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. Wash walking surfaces with detergent and water to reduce slipping hazard. 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 eyes, skin, and clothing. Keep out of reach of children.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****ENGINEERING CONTROLS**

Eye wash facilities and emergency shower must be available when handling this product.

**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).

**RTV615**  
**Crosslinking Agent****EYE AND FACE PROTECTION**

Safety glasses with side shields

**OTHER PROTECTIVE EQUIPMENT**

Wear suitable protective clothing and eye/face protection.

**Exposure Guidelines**

<u>Component</u>	<u>CAS-No.</u>	<u>Source</u>	<u>Value</u>
------------------	----------------	---------------	--------------

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**

<b>BOILING POINT (°C):</b>	Not applicable
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	Negligible
<b>VAPOR DENSITY (AIR=1):</b>	1.0
<b>FREEZING POINT:</b>	Not applicable
<b>PHYSICAL STATE:</b>	Liquid
<b>ODOR:</b>	Faint
<b>Color:</b>	Colorless
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	< 1
<b>SPECIFIC GRAVITY:</b>	0.99
<b>DENSITY:</b>	ca. 0.99 g/cm <sup>3</sup>
<b>ACID / ALKALINITY (MEQ/G):</b>	No data available.
<b>pH:</b>	No data available.
<b>SOLUBILITY IN WATER (20 C):</b>	Insoluble
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	Soluble in toluene
<b>VOC EXCL. H<sub>2</sub>O &amp; EXEMPTS (G/L):</b>	137 g/l

**10. STABILITY AND REACTIVITY****STABILITY**

Stable

**HAZARDOUS POLYMERIZATION.**

Hazardous polymerisation does not occur.

**RTV615  
Crosslinking Agent**

---

**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**

Product generates flammable gas on contact with acids, bases or oxidizing substances.

**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 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.

**RTV615  
Crosslinking Agent**

---

**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.

**14. TRANSPORT INFORMATION****Further Information:**

This product is not regulated by the DOT for transport within the United States. This product is not prohibited for air shipment by national or international regulations on the transport of dangerous goods. However, as a result of the potential formation of hydrogen gas under certain conditions, Momentive Performance Materials recommends that this product should be shipped using a mode of transportation other than air (IATA-C, IATA-P).

**15. REGULATORY INFORMATION****Inventories**

Australia Inventory of Chemical Substances (AICS)      y (positive listing)

**RTV615**  
**Crosslinking Agent**

EU list of existing chemical substances	y (positive listing)	
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)	
New Zealand Inventory of Chemicals	y (positive 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**

No SARA Hazards

**CALIFORNIA PROPOSITION 65**

Warning! This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**Canadian Regulatory Information****WHMIS CLASSIFICATION**

D2A - Very Toxic Material Causing Other Toxic Effects

**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



# **MATERIAL SAFETY DATA SHEET**

Version: 1.12  
05/24/2012

## **RTV615 Crosslinking Agent**

---

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).