

**RTV159  
POLYSILOXANE COMPOUND****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

**Revised:** 04/11/2013  
**Prepared by** Product Safety Team  
**CHEMTREC** 1-800-424-9300  
**MSDS Contact** 1-888-443-9466  
**Information** 4information@momentive.com

**Chemical Family/Use:** Sealant

**Formula:** Mixture

**HMIS**

Health: 1 Flammability: 1 Reactivity: 0

**NFPA**

Health: 1 Flammability: 1 Reactivity: 0

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

WARNING! Attention: Not for injection into humans.

**Form:** Paste

**Form:** Red

**Odor:** Acetic acid.

**POTENTIAL HEALTH EFFECTS****SKIN**

May cause skin irritation.

**INHALATION**

Applies in uncured state.

**EYES**

May cause eye irritation.

**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.

**RTV159  
POLYSILOXANE COMPOUND****ROUTES OF EXPOSURE**

Eye; Dermal

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>PRODUCT COMPOSITION</b>	<b>CAS-No.</b>	<b>WGT. %</b>
<b><u>A. HAZARDOUS</u></b>		
Methyltriacetoxysilane	4253-34-3	1 - 5 %
<b><u>B. NON-HAZARDOUS</u></b>		
Dimethylpolysiloxane	70131-67-8	60 - 100 %
Treated Silica	68937-51-9	10 - 30 %
Siloxanes & Silicones, Dimethylpolymers w/Methylsilsesquioxanes	68554-67-6	5 - 10 %
Red iron oxide	1309-37-1	1 - 5 %

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

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

**SKIN**

After contact with skin, remove product mechanically. Wash skin with soap 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 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.

**RTV159  
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**FLASH POINT:** > 93 °C; 199 °F  
**METHOD** Estimated  
**IGNITION TEMPERATURE:** Not applicable  
**FLAMMABLE LIMITS LEL:** Not applicable  
**FLAMMABLE LIMITS UEL:** Not applicable

**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. 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**  
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. Keep out of reach of children. Use only in well-ventilated areas.

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

**RTV159  
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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).

**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**

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

<b>BOILING POINT (°C):</b>	Not applicable
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	No data available.
<b>VAPOR DENSITY (AIR=1):</b>	No data available.
<b>FREEZING POINT:</b>	Not applicable
<b>PHYSICAL STATE:</b>	Paste
<b>ODOR:</b>	Acetic acid.
<b>Color:</b>	Red
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	< 1
<b>SPECIFIC GRAVITY:</b>	ca. 1.10
<b>DENSITY:</b>	ca. 1.1 g/cm <sup>3</sup>
<b>ACID / ALKALINITY (MEQ/G):</b>	Not applicable

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<b>pH:</b>	Not applicable
<b>SOLUBILITY IN WATER (20 C):</b>	Insoluble
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	Insoluble
<b>VOLATILE ORGANIC CONTENT:</b>	< 3.8 %(m)
<b>VOC EXCL. H2O &amp; EXEMPTS (G/L):</b>	< 42 g/l

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

Stable

**HAZARDOUS POLYMERIZATION.**

Hazardous polymerisation does not occur.

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

Carbon dioxide; Acetic acid.; Silicon dioxide.; Formaldehyde.; This product contains methylpolysiloxanes which will likely 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. A MSDS for formaldehyde is available from Momentive. See Section 11 for additional information on formaldehyde.

**INCOMPATIBLE MATERIALS**

None known.

**CONDITIONS TO AVOID**

None known.

**11. TOXICOLOGICAL INFORMATION****ACUTE ORAL**

Remarks: None known.

**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

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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: None known.

**ACUTE INHALATION**

Remarks: No data available.

**SENSITIZATION**

No data available.

**SKIN IRRITATION.**

No data available.

**EYE IRRITATION**

No data available.

**MUTAGENICITY**

No data available.

**OTHER EFFECTS OF OVEREXPOSURE**

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.

,Acetic acid released during curing.

**12. ECOLOGICAL INFORMATION****ECOTOXICITY**

No data available.

**DISTRIBUTION**

No data available.

**CHEMICAL FATE**

No data available.

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

**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)	
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****CERCLA****PRODUCT COMPOSITION**

Chemical

**CERCLA Reportable Quantity****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,

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or any 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  
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).