



# MATERIAL SAFETY DATA SHEET

Version: 1.6  
08/29/2014

## RTV31 Silicone Rubber Compound

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

**Revised:** 08/29/2014

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

**Chemical Family/Use:** Silicone Rubber

**Formula:** Mixture

#### HMIS

Health: 1 Flammability: 1 Reactivity: 0

#### NFPA

Health: 1 Flammability: 1 Reactivity: 0

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

CAUTION! May cause eye irritation. Attention: Not for injection into humans.

**Form:** Liquid

**Color:** Red

**Odor:** Faint

#### POTENTIAL HEALTH EFFECTS

##### INGESTION

May be harmful if swallowed.

##### SKIN

Skin irritation is possible after contact with the uncured product.

##### INHALATION

None known.

##### EYES

May cause eye irritation.

##### MEDICAL CONDITIONS AGGRAVATED

None known.

**RTV31  
Silicone Rubber Compound****SUBCHRONIC (TARGET ORGAN )**

Respiratory System

**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

**3. COMPOSITION/INFORMATION ON INGREDIENTS****PRODUCT COMPOSITION****CAS-No.****WGT. %****A. HAZARDOUS**

Silicic acid, ethyl ester	11099-06-2	1 - 5 %
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**B. NON-HAZARDOUS**

Siloxanes and Silicones, di-Me hydroxy terminated	70131-67-8	30 - 60 %
Red iron oxide	1309-37-1	30 - 60 %
Diatomaceous Earth	68855-54-9	10 - 30 %
Silicic acid, ethyl ester	11099-06-2	1 - 5 %

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

None known.

**SKIN**

Wash area with soap and water.

**INHALATION**

None known.

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**EYES**

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

**NOTE TO PHYSICIAN**

None known.

**5. FIRE-FIGHTING MEASURES**

<b>FLASH POINT:</b>	> 121 °C; 250 °F
<b>METHOD</b>	Tagliabue Closed Cup
<b>FLAMMABLE LIMITS LEL:</b>	No data available.
<b>FLAMMABLE LIMITS UEL:</b>	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. 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 inhalation of vapors and spray mists. Avoid contact with skin and eyes. Use only in well-ventilated areas. Keep out of reach of children.

**RTV31  
Silicone Rubber Compound****8. EXPOSURE CONTROLS/PERSONAL PROTECTION****ENGINEERING CONTROLS**

Eye wash facilities and emergency shower must be available when handling this product.; Use only in well-ventilated areas.

**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**

None known.

**Exposure Guidelines**

<b><u>Component</u></b>	<b><u>CAS-No.</u></b>	<b><u>Source</u></b>	<b><u>Value</u></b>
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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>	>285 °C; 545 °F
<b>FREEZING POINT:</b>	No data available.
<b>PHYSICAL STATE:</b>	Liquid
<b>ODOR:</b>	Faint
<b>Color:</b>	Red
<b>SPECIFIC GRAVITY:</b>	ca. 1.4
<b>DENSITY:</b>	ca. 1.4 g/cm <sup>3</sup>
<b>SOLUBILITY IN WATER (20 C):</b>	Insoluble

**RTV31  
Silicone Rubber Compound****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 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.

**ACUTE DERMAL**

Remarks: No data available.

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**ACUTE INHALATION**

Remarks: No data available.

**OTHER**

None.

**MUTAGENICITY**

No data available.

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

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 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)
Canada DSL Inventory	y (positive listing)
EU list of existing chemical substances	y (positive listing)
Japan Inventory of Existing & New	y (positive listing)

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## Chemical Substances (ENCS)

China Inventory of Existing y (positive listing)

## Chemical Substances

Korea Existing Chemicals y (positive listing)  
Inventory (KECI)

Canada NDSL Inventory n (Negative listing)

Philippines Inventory of Chemicals y (positive listing)  
and Chemical Substances  
(PICCS)

TSCA list y (positive listing)

New Zealand Inventory of y (positive listing)  
Chemicals

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**

D2B - 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



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By-product= reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2).