

**RTV106
ACETOXY SEALANT (red)****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

Revised: 06/13/2012
Prepared by Product Regulatory Compliance
CHEMTREC 1-800-424-9300
MSDS Contact 1-888-443-9466
Information 4information@momentive.com

Chemical Family/Use: Sealant

Formula: MixtureSilicone sealant

HMIS

Health: 2 Flammability: 1 Reactivity: 0

NFPA

Health: 2 Flammability: 1 Reactivity: 0

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

WARNING! Irritating to eyes, respiratory system and skin. Adverse liver and reproductive effects reported in animals. Attention: Not for injection into humans.

Form: Paste

Color: Red

Odor: Acetic acid.

POTENTIAL HEALTH EFFECTS**INGESTION**

May be harmful if swallowed.

SKIN

Causes mild skin irritation.

INHALATION

None known.

EYES

May cause eye irritation.

MEDICAL CONDITIONS AGGRAVATED

None known.

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ACETOXY SEALANT (red)****SUBCHRONIC (TARGET ORGAN)**

Liver injury.; Reproductive hazard.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>PRODUCT COMPOSITION</u> | <u>CAS-No.</u> | <u>WGT. %</u> |
|----------------------------|----------------|---------------|
|----------------------------|----------------|---------------|

A. HAZARDOUS

| | | |
|------------------------|-----------|---------|
| Methyltriacetoxysilane | 4253-34-3 | 1 - 5 % |
|------------------------|-----------|---------|

B. NON-HAZARDOUS

| | | |
|---|------------|-----------|
| Siloxanes and Silicones, di-Me hydroxy terminated | 70131-67-8 | 30 - 60 % |
| Dimethylpolysiloxane | 70131-67-8 | 10 - 30 % |
| Treated Fumed Silica | 68583-49-3 | 10 - 30 % |
| Siloxanes & Silicones, Dimethylpolymers w/Methylsilsesquioxanes | 68554-67-6 | 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.

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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

None known.

5. FIRE-FIGHTING MEASURES

| | |
|------------------------------|-------------------|
| FLASH POINT: | > 93.3 °C; 200 °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.

**RTV106
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Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Avoid accidental ingestion of this material. Wash hands and face before eating, drinking, smoking, using toilet facilities, or applying cosmetics.

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. Keep container closed. May generate formaldehyde at temperatures greater than 150 C(300 F). See Section 8 of the MSDS for Personal Protective Equipment.

STORAGE

Keep container tightly closed in a cool, well-ventilated place.

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

Provide adequate general and local exhaust ventilation.; Eye washes and showers for emergency use.

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

Butyl 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

| | |
|---|------------------------|
| BOILING POINT (°C): | Not applicable |
| VAPOR PRESSURE (20 C) (MM HG): | Not applicable |
| VAPOR DENSITY (AIR=1): | Not applicable |
| FREEZING POINT: | No data available. |
| PHYSICAL STATE: | Paste |
| ODOR: | Acetic acid. |
| Color: | Red |
| EVAPORATION RATE (BUTYL ACETATE=1): | < 1 |
| SPECIFIC GRAVITY: | ca. 1.06 |
| DENSITY: | 1.06 g/cm ³ |
| ACID / ALKALINITY (MEQ/G): | Not applicable |
| pH: | Not applicable |
| SOLUBILITY IN WATER (20 C): | Insoluble |
| SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): | Toluene |
| VOLATILE ORGANIC CONTENT: | 2.4 %(m) |
| VOC EXCL. H₂O & EXEMPTS (G/L): | 26 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 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 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.

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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://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.

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

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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**

Ecotoxicological data for this product is not 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 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) |
| EU list of new chemical substances | n (Negative listing) |
| Japan Inventory of Existing & New Chemical Substances (ENCS) | y (positive listing) |
| EU No Longer Polymers List | n (Negative listing) |
| China Inventory of Existing | y (positive listing) |

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Chemical Substances

| | | |
|--|----------------------|-------------------|
| Korea Existing Chemicals Inventory (KECI) | 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 |
| New Zealand Inventory of Chemicals | y (positive listing) | |
| Japan Industrial Safety & Health Law (ISHL) Listing | n (Negative listing) | |

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, or any other reproductive harm.

Canadian Regulatory Information**WHMIS CLASSIFICATION**

D2A - Very Toxic Material Causing Other Toxic Effects

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 |



**MATERIAL SAFETY DATA
SHEET**

Version: 1.11
06/13/2012

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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).