

**RTV 116
FLOWABLE ACETOXY SEALANT (red)****1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

Revised: 08/22/2013
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: 2 Flammability: 2 Reactivity: 0

NFPA

Health: 1 Flammability: 2 Reactivity: 0

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

CAUTION! Combustible May cause skin, eye, and respiratory tract irritation.

Form: Paste

Color: Red

Odor: Acetic acid.

POTENTIAL HEALTH EFFECTS**SKIN**

Uncured product contact will irritate lips, gums and tongue. Skin irritation is possible after contact with the uncured product.

INHALATION

Applies in uncured state.

EYES

Eye irritation on contact with the uncured product.

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.

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Eye; Dermal

Other

Attention: Not for injection into humans.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION	CAS-No.	WGT. %
<u>A. HAZARDOUS</u>		
<u>B. NON-HAZARDOUS</u>		
Methyltriacetoxysilane	4253-34-3	1 - 5 %
Silica	7631-86-9	10 - 30 %
Polyalkylsiloxane	68037-74-1	1 - 5 %
Red iron oxide	1332-37-2	1 - 5 %
Siloxanes and Silicones, di-Me hydroxy terminated	70131-67-8	60 - 100 %

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 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.

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Treatment is symptomatic and supportive.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	ca. 72 °C; 162 °F
METHOD	Closed Cup
IGNITION TEMPERATURE:	No data available.
FLAMMABLE LIMITS LEL:	Not applicable
FLAMMABLE LIMITS UEL:	Not applicable

SENSITIVITY TO MECHANICAL IMPACT: No

SENSITIVITY TO STATIC DISCHARGE

Sensitivity to static discharge is expected; material has a flash point below 200 F.

EXTINGUISHING MEDIA

All standard extinguishing agents are suitable.

SPECIAL FIRE FIGHTING PROCEDURES

Combustible, 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. Use only in well-ventilated areas. Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the finger and hands. Product releases acetic acid during application and curing. Keep out of reach of children. See Section 8 of the MSDS for Personal Protective Equipment.

STORAGE

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

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place.

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).

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

BOILING POINT (°C):	Not applicable
VAPOR PRESSURE (20 C) (MM HG):	No data available.
VAPOR DENSITY (AIR=1):	No data available.
FREEZING POINT:	Not applicable
PHYSICAL STATE:	Paste
ODOR:	Acetic acid.
Color:	Red

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EVAPORATION RATE (BUTYL ACETATE=1):	< 1
SPECIFIC GRAVITY:	ca. 1.09
DENSITY:	ca. 1.09 g/cm ³
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:	2.9 %(m)
VOC EXCL. H₂O & EXEMPTS (G/L):	31.9 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 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

Keep away from heat, sparks and open flame.

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

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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: 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

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

DOT SHIPPING NAME: Combustible liquid, n.o.s.(METHYLTRIAACETOXYSILANE)
DOT HAZARD CLASS: CBL
DOT LABEL (S): NON
UN/NA NUMBER: NA 1993
PACKING GROUP: III

Further Information: This product is Combustible as defined by the US Department of Transportation (DOT). It is regulated for transport in the US in container > 119 gallons. The product is not regulated for transport by the IATA, ADR/RID, ADNR or the IMDG regulations.

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 Chemical Substances (ENCS)	y (positive listing)	
China Inventory of Existing Chemical Substances	y (positive listing)	
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)	

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

US Regulatory Information

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SARA (311,312) HAZARD CLASS

Acute Health Hazard; Fire 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
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).