# SAFETY DATA SHEET

1. Identification

Product identifier: RTV108

Other means of identification

ACETOXY SEALANT (translucent)

Recommended use and restriction on use

Recommended use: Silicone Elastomer Restrictions on use: For industrial use only.

Manufacturer/Importer/Distr : Momentive Performance Materials - Daytona 703 South Street New Smyrna Beach FL 32168

Contact person

: commercial.services@momentive.com

Telephone

: CHEMTREC 1-800-424-9300

2. Hazard(s) identification

Hazard Classification

Health Hazards

Toxic to reproduction

Category 2

Label Elements

Hazard Symbol:



Signal Word

Hazard Statement

H361f; Suspected of damaging fertility.

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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 medic attention.

Skin Contact:

Wash with soap and water

Eye contact:

Most important symptoms/effects, acute and delayed

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

Symptoms

None known

Hazards:

No data available

Indication of immediate medical attention and special treatment needed

Treatment:

Treatment is symptomatic and supportive.

5. Fire-fighting measures

General Fire Hazards:

Use standard firefighting procedures and consider the hazards of other involved materials. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:

All standard extinguishing agents are suitable

Unsuitable extinguishing

In case of fire, carbon monoxide and carbon dioxide may be formed. Acute overexposure to the products of combustion may result in initiation of the respiratory tract. Pay attention to the corrosive effects arising from contact with water.

Special protective equipment and precautions for firefighters

Special fire fighting

Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters:

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6. Accidental release measures

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Prevention

precautions have been equipment as required.

Response: IF exposed or concerned: Get medical advice/attention.

Storage: Store locked up.

Disposal:

Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Substance(s) formed under the Generates acotic acid during cure, conditions of use:

3. Composition/information on ingredients

#### Mixtures

Chemical Identity	CAS number	Content in percent (%)*	Notes
Silica	Trade secret	10 - <20%	# This substance has workplace exposure limit(s).
Octamethyloyclotetrasiloxane	556-67-2	1 - <3%	# This substance has workplace exposure limit(s).

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume

Trade secret information:

\*\* A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

General information:

No action shall be taken involving any personal risk or without suitable training.

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,

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Ingestion:

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Personal precautions, protective equipment and emergency procedures:

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 tenses until all sealant has been cleaned from the finger and hands. Keep out of reach of children. Keep container closed. May generate bermaldehyled tenses temperatures greater than 150 C(300 F). See Section 8 of the SDS for Personal Protoctive Equipment.

Methods and material for containment and cleaning

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.

Notification Procedures:

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). See Section 8 of the SDS for Personal Protective Equipment.

7. Handling and storage

Precautions for safe handling:

Sensitivity to static discharge is not expected. Acetic acid is formed during processing. Wear appropriate personal protective equipment. Use only in swell-entillated areas. Keep away from tood, drink and arriant feedings stuff. When using do not eat, drink or amoke. Keep containes tightly closed. See Section 8 of the SDS for Personal Protective Equipment.

Conditions for safe storage, Including any incompatibilities:

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

8. Exposure controls/personal protection

## Control Parameters

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Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Séca	TWA	0.8 mg/m3	US, OSHA Table Z-3 (29 CFR 1910,1000), as amended (03 2016)
	TWA	20 millions of particles per cubic foot of air	US, OSHA Table 2-3 (29 CFR 1910,1000), as arrended (03 2016)
Octamethylcyclotetrasiloxare	TWA	5 ppm	
Octamethylcyclotetresiloxane ST ESL - Vapor. AN ESL	1000	1,000 µg/m3	US, Texas, Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
	ANESL	100 µg/m3	US. Texas, Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)
Octamethylcyclotetraslloxane	TWA	10 ppm	US, OARS, WELs Workplace Environmental Exposure (.evel Guide, as amended (2014)

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Appropriate Engineering

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

Individual protection measures such as personal protective equipment

General information:

Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

Eye/face protection:

Safety glasses with side shields

Skin Protection Hand Protection:

Butyl rubber gloves are recommended.

Wear suitable protective clothing and eye/face protection.

Respiratory Protection:

Hygiene measures:

If inhalation exposure is expected, 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 2SCFR 1910,134).

Axold contact with eyes, skin, and clothing. Ensure adequate ventilation, especially in confined areas. Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke.

9. Physical and chemical properties

Appearance

Physical state:

Pasto

Odor: Odor threshold:

Acetic acid No data available No data available. Melting point/freezing point: No data available Initial boiling point and boiling range: Not applicable

Flash Point Evaporation rate:

> 93.3 °C (estimated) No data available Flammability (solid, gas): No data
Upper/lower limit on flammability or explosive limits No data available No data available

Flammability limit - upper (%): Flammability limit - lower (%): Explosive limit - upper: Explosive limit - lower: Heat of combustion

No data available No data available No data available No data available.

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Inhalation:

No data available No data available.

Skin Contact: No data available. Eve contact:

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:

ATEmix: 8,608.82 mg/kg

Specified substance(s):
Octamethylcyclotetrasilox LD 50 (Rat): > 4,800 mg/kg

Dermal Product:

Not classified for acute toxicity based on available data

Specified substance(s):

Octamethylcyclotetrasilox LD 50 (Rat): > 2,375 mg/kg

Not classified for acute toxicity based on available data

Specified substance(s): Octamethylcyclotetrasilox

LC50 (Rat): 36 mg/l

Repeated dose toxicity Product:

NOAEL (Rat(male and female), Inhalation(vepour).): 150 mg/kg. NOAEL (Rabbit(male and female), Dermal): > 1 mg/kg.

Skin Corrosion/Irritation Product:

No data available

Specified substance(s): Octamethylcyclotetrasil oxane

OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit): Slightly

Serious Eye Damage/Eye Irritation
Product: No data available

Specified substance(s):
Octamethylcyclotetrasil
OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Non irritating

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Vapor pressure: No data available

Vapor density:

No data available ca. 1.06 g/cm3

Donsity: Relative density

1.06

Solubility(ies) Solubility in water:

Insoluble

Solubility (other): Partition coefficient (n-octanol/water) Log No data available.

No data available

Auto-ignition temperature: Decomposition temperature:

No decomposition if stored and applied as directed.

SADT Viscosity, dynamic: No data available No data available

Viscosity, kinematic:

> 20.5 mm2/s (40 °C)

26 g/l ;

10. Stability and reactivity

Reactivity:

No dangerous reaction if used as recommended

Chemical Stability:

Material is stable under normal conditions.

Possibility of hazardous reactions:

Hazardous polymerization does not occur.

Conditions to avoid:

Keep away from moisture. Strong Acids, Strong Bases Water,

Incompatible Materials Hazardous Decomposition

Carbon dioxide Silicon dioxide, Formaldehyde, Generates acetic acid during cure, Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

11. Toxicological information

Information on likely routes of exposure Ingestion: No data available

No data available

Inhalation: Skin Contact

No data available

Eye contact: No data available

Symptoms related to the physical, chemical and toxicological characteristics ingestion:

No data available.

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Respiratory or Skin Sensitization Product: No data available

Carcinogenicity Product:

No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

Germ Cell Mutagenicity

Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Roverse Mutation Assay)): negative (not mutagenic) Mouse Lymphoma Assay (OECD Guidline 476): negative (not mutagenic)

In vivo Product:

Chromosomal aberration (OECD-Guideline 474 (Genetic Toxicology Micronucleus Test)): regative

Reproductive toxicity Product:

No data available

Specific Target Organ Toxicity - Single Exposure

Specific Target Organ Toxicity - Repeated Exposure

Aspiration Hazard Product:

No data available

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Other effects

Acetic acid released during curing. Octamethylcyclotetrasilovane (D4) Injestion: Rodents given large doses va oral gavage of Octamethylcycloterasiloxane (1600mg/kg/day,14 days), developed increased live weights relative to unexposid control animals due to hepatocellular hyperplasia (increased number of liver cells which appear Octamethylcyclocterasiloxane (1600mg/kg/day, 14 days), doxeloped increased liver weights relative to unexposed control animals due to hepatoceliblar hyperplasia (increased number of liver cells which appear normal) as well as hypertropy (increased cell size), Inhalation: In inhalation studies, laboratory rodents exposed to Octamethylcyclotetraelixorae (300 ppm five days/week, 90 days) developed increased liver weights in female animals relative to unexposed control animals. When the exposure was stopped, liver weights returned to normal. Microscopic examination of the liver cells did not show any evidence of pathology. This response in rats, which does not affect the animal's health, is well-documented and widely recognized. It is related to an increase of liver enzymes that metabolize and eliminate a material from the body. The increased liver weight reverses even while the D4 exposure confluxer. The finding is not adverse, but is considered a natural adaptive change in rats, and does not represent a hazard to humans. Inhalation studies utilizing laboratory rabbits and guinne pigs showed not effects on liver weights. Inhalation exposures typical of industrial usage (5-10 ppm) showed no toxic effects in rodents. Range finding reproductive studies were conducted (whole body inhalation, 70 days prior to mating, through mading, gestation and lactation), with D4. Rats were exposed to 70 and 700 ppm. In the 700 ppm group, there was a statistically significant reduction in mean litter size and in implantation sists. No D4 related clinical signs were observed in the pups and no exposure related pathological findings were round. A two-year, combined chronic/carcinopenicly study, during which rats were exposed to D4 by inhalation, data showed a statistically significant increase in a benign utorine turnor in female rats exposed at the highest lowl—a level much higher than the low levels that consumers or owners may encounter. An expert panel of independent sclenitists who have revewed the results of this research concur

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product:

No data available.

Aquatic Invertebrates

EC50 (Daphnia magna, 48 h); > 0.015 mg/l

Chronic hazards to the aquatic environment:

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Dispose of as unused product

Contaminated Packaging: 14. Transport information

DOT Not regulated

IMDG Not regulated

Not regulated.

Special precautions for user:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Chemical Identity Reportable quantity
Octamethylcyclotetrasilox The minimum concent

The minimum concentration; TSCA 4: 1.0% One-Time Export Notification only.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

Chemical Identity OSHA hazard(s)

No OSHA Hazards

Siloxanes and Silicones, di-Me hydroxy terminated Siloxanes and Silocones, di-Me, polymers with Me silesequioxanes, hydroxy-

terminated
Octamethylcyclotetrasilox Systemic effects

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Fish Product

LC50 (Oncorhynchus mykiss, 14 d): 0.01 mg/l

Aquatic Invertebrates

EC50 (Daphnia magna, 21 d): > 0.015 mg/l

Toxicity to Aquatic Plants Persistence and Degradability

Biodegradation Product:

No data available

Specified substance(s)

3.7 % (29 d, 310 Ready Biodegradability - CO<sub>2</sub> in Sealed Vessels (Headspace Tost)) Not readily biodegradable.

No data available.

BOD/COD Ratio

No data available

Bioaccumulative potential
Bioconcentration Factor (BCF)
Product: No data available.

Specified substance(s):
Octamethylcyclotetrasilox Fathoad Minnow, Bioconcentration Factor (BCF): 12.40

Partition Coefficient n-octanol / water (log Kow)

Mobility in soil:

No data available

Known or predicted distribution to environmental compartments

Silica Octamethylcyclotetrasiloxa

No data available.

Other adverse effects: 13. Disposal considerations

General information:

Disposal Instructions:

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The generation of waste should be avoided or minimized wherever possible. See Section 8 for information on appropriate personal protect equipment. Do not discharge into drains, water courses or onto the group of the protection o Disposal should be made in accordance with federal, state and local

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CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Delayed (Chronic) Hoalth Hazard

SARA 302 Extremely Hazardous Substance None present or none present in regulated quantities

SARA 304 Emergency Release Notification
None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical
Chemical Identity Threshold Planning Quantity

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required None present or none present in regulated quantities

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

US State Regulations

US, California Proposition 65
No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act Chemical Identity

Dimethylpolysiloxand

Siloxanes and Silicones, di-Me hydroxy terminated

Siloxanes and Silicones, di-Me, polymers with Me silsesquioxanes, hydroxy-terminated

Methyltriacetoxysilane

US, Massachusetts RTK - Substance List
No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK

ingredient regulated by RI Right-to-Know Law present.

Australia AICS On or in compliance with the Remarks: None.

Canada DSL Inventory List:	Q (quantity restricted)	Remarks: Please contact your supplier for further information on the inventory status of this material.
EINECS, ELINCS or NLP:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None,
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: None.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.

16.Other information, including date of preparation or last revision

## HMIS Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight, 2 - Moderate: 3 - Serious; 4 - Severe; RNP - Rating not possible; "Chronic health effect

Issue Date:

06/15/2021

Revision Date:

No data available.

Version #:

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Further Information:

No data available.

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Disclaimer:

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### Notice to reader

Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-tasting (>30 days) implantation, injection or direct ingestion into the human body; nor for use in the manufacture of multiple use contraceptives.

Keep out of the reach of children.

### Further Information

The information provided in this Safety Data Sheet is correct to the best ofour knowledge, information and belief at the date of its publication. The information globan is designed only as a guidance for safehandling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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