

RTV60

# SAFETY DATA SHEET

## 1. Identification of the substance or mixture and of the supplier

**GHS Product identifier:** RTV60

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Silicone Elastomer

**Recommended restrictions:** For industrial use only.

**Supplier's details**

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

**Distributor Information** : DC Products Pty Limited  
Unit 117/45 Gilby Road  
Mount Waverley 3149  
Australia

**Contact person** : viren.kumar@dcproducts.com.au

**Telephone** : +613 9558 8898

**Emergency telephone number** : +61 418 529 118

## 2. Hazard(s) identification

**GHS classification of substance or mixture, and national or regional information:**

**Health Hazards**

Carcinogenicity	Category 1A
Specific Target Organ Toxicity - Repeated Exposure	Category 2

**GHS label elements**

**Hazard symbol(s):**



**Signal Word:** Danger

**Hazard Statement(s):** May cause cancer.  
May cause damage to organs through prolonged or repeated exposure.

**Precautionary statement(s):**

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

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

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Other hazards which do not result in GHS classification:** None.

**3. Composition/information on ingredients**

**Mixtures**

<b>Chemical Identity</b>	<b>CAS number</b>	<b>Concentration*</b>
Red iron oxide	1309-37-1	30 - 60%
Diatomaceous Earth	68855-54-9	10 - 30%
Cristobalite	14464-46-1	1 - 10%
Silicic acid, ethyl ester	11099-06-2	1 - 10%
QUARTZ	14808-60-7	0,1 - 1%
Tetraethyl Silicate	78-10-4	0,1 - 1%

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

**4. First-aid measures**

**Description of necessary first-aid measures**

**Inhalation:** None known.

**Skin Contact:** After contact with skin, remove product mechanically. Flush contaminated skin with plenty of water.

**Eye contact:** Rinse the eye with water immediately. Get medical attention if symptoms occur.

**Ingestion:** If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Consult a physician for specific advice.

**Symptoms caused by exposure**

**Symptoms:** No data available.

**Hazards:** No data available.

**Medical attention and special treatment**

**Treatment:** Not relevant.

**5. Fire-fighting measures**

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<b>General Fire Hazards:</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>Means of fire extinguishing</b>	
<b>Suitable extinguishing media:</b>	All standard extinguishing agents are suitable.
<b>Unsuitable extinguishing media:</b>	Do not use water jet.
<b>Specific hazards arising from the chemical:</b>	No data available.
<b>Special protective equipment and precautions for firefighters</b>	
<b>Special fire fighting procedures:</b>	No data available.
<b>Special protective equipment for fire-fighters:</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use personal protective equipment.
<b>Hazchem Code:</b>	No data available.

**6. Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures:</b>	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.
<b>Environmental Precautions:</b>	No data available.
<b>Methods and material for containment and cleaning up:</b>	Absorb spillage with suitable absorbent material. Sweep up and shovel into suitable containers for disposal. Clean thoroughly.

**7. Handling and storage**

<b>Precautions for safe handling:</b>	Avoid contact with skin and eyes. Wear appropriate personal protective equipment.
<b>Conditions for safe storage, including any incompatibilities:</b>	Keep container tightly closed in a cool, well-ventilated place.

**8. Exposure controls/personal protection**

**Control Parameters**

**Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values	Source
Red iron oxide - as Fe	TWA	5 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	5 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational

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				Environment) (08 2005)
Diatomaceous Earth	TWA	2 mg/m <sup>3</sup>		Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	2 mg/m <sup>3</sup>		Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	2 mg/m <sup>3</sup>		Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
Cristobalite	TWA	0,1 mg/m <sup>3</sup>		Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	0,1 mg/m <sup>3</sup>		Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	0,1 mg/m <sup>3</sup>		Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
QUARTZ	TWA	0,1 mg/m <sup>3</sup>		Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	0,1 mg/m <sup>3</sup>		Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	0,1 mg/m <sup>3</sup>		Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
Tetraethyl Silicate	TWA	10 ppm 85 mg/m <sup>3</sup>		Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	10 ppm 85 mg/m <sup>3</sup>		Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)

**Biological Limit Values**

None of the components have assigned exposure limits.

**Appropriate Engineering Controls:**

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

**Individual protection measures, such as personal protective equipment**

**Eye/face protection:**  
**Skin Protection**

Safety glasses with side shields

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<b>Hand Protection:</b>	No data available.
<b>Other:</b>	Wear suitable protective clothing.
<b>Respiratory Protection:</b>	Use only in well-ventilated areas. In case of inadequate ventilation use suitable respirator.
<b>Hygiene measures:</b>	Observe good industrial hygiene practices. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. When using do not eat, drink or smoke.

**9. Physical and chemical properties**

**Appearance**

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Red
<b>Odor:</b>	Faint
<b>Odor threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Melting point/freezing point:</b>	No data available.
<b>Initial boiling point and boiling range:</b>	No data available.
<b>Flash Point:</b>	ca. 109 °C (Closed Cup)
<b>Evaporation rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Flammability limit - upper (%):</b>	No data available.
<b>Flammability limit - lower (%):</b>	No data available.
<b>Explosive limit - upper (%):</b>	No data available.
<b>Explosive limit - lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water) Log Pow:</b>	No data available.
<b>Auto-ignition temperature:</b>	No data available.
<b>Decomposition temperature:</b>	No decomposition if stored and applied as directed.
<b>SADT:</b>	No data available.
<b>Viscosity, dynamic:</b>	No data available.
<b>Viscosity, kinematic:</b>	No data available.
<b>Specific gravity:</b>	No data available.

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**10. Stability and reactivity**

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerisation does not occur.
<b>Conditions to avoid:</b>	None known.
<b>Incompatible Materials:</b>	Reacts with water liberating small amounts of methanol. Avoid contact with acids and oxidizing substances.
<b>Hazardous Decomposition Products:</b>	In case of fire, gives off (emits): Carbon dioxide Silicon dioxide. formaldehyde 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**

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<b>General information:</b>	Experience has shown, that the above mentioned product can be used without any danger to health, as long as the usual conditions of industrial hygiene are observed.
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**Information on likely routes of exposure**

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

**Symptoms related to the physical, chemical and toxicological characteristics**

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

**Information on toxicological effects**

**Acute toxicity**

<b>Oral</b>	
<b>Product:</b>	ATEmix 36.464,41 mg/kg
<b>Specified substance(s):</b>	
Cristobalite	LD 50 (Rat): > 5.000 mg/kg
<b>Dermal</b>	
<b>Product:</b>	Not classified for acute toxicity based on available data

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**Inhalation**

**Product:** Not classified for acute toxicity based on available data.

**Repeated dose toxicity**

**Product:** No data available.

**Skin irritation and corrosion**

**Product:** No data available.

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Respiratory or Skin Sensitization**

**Product:** No data available.

**Carcinogenicity**

**Product:** No data available.

**Notifiable Carcinogenic Substances**

No carcinogenic components identified

**Prohibited Carcinogenic Substances**

No carcinogenic components identified

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

Diatomaceous Earth	Overall evaluation: 3. Not classifiable as to carcinogenicity to humans.
	Overall evaluation: 1. Carcinogenic to humans.
Cristobalite	Overall evaluation: 1. Carcinogenic to humans.
QUARTZ	Overall evaluation: 1. Carcinogenic to humans.

**ACGIH Carcinogen List:**

**Germ Cell Mutagenicity**

**In vitro**

**Product:** No data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Aspiration Hazard**

**Product:** No data available.

**Other effects:** No data available.

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**12. Ecological information**

**Ecotoxicity**

**Acute hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Specified substance(s):**

Tetraethyl Silicate LC100 (No data available., 24 h): 9.000 mg/l  
LC50 (Brachydanio rerio, 96 h): > 245 mg/l

**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s):**

Tetraethyl Silicate EC50 (Blue Crab): 7.800 mg/l

**Chronic hazards to the aquatic environment**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s):**

Tetraethyl Silicate 98 % (28 d, OECD-Guideline 301 A (DOC Die-Away Test)) Readily biodegradable

**BOD/COD Ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility**

**Mobility in soil:** No data available.



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**Known or predicted distribution to environmental compartments**

Red iron oxide	No data available.
Diatomaceous Earth	No data available.
Cristobalite	No data available.
Silicic acid, ethyl ester	No data available.
QUARTZ	No data available.
Tetraethyl Silicate	No data available.

**Other adverse effects:** No data available.

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**13. Disposal considerations**

**General information:** Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

**Disposal methods**

**Disposal instructions:** According to local regulations, can be taken to an appropriate incinerator equipped with exhaust gas cleaning.

**Contaminated Packaging:** Dispose of as unused product.

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**14. Transport information**

**National Regulations**

**ADG**

Not regulated.

**International regulations**

**IATA**

Not regulated.

**IMDG**

Not regulated.

**Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not applicable

**Special precautions for user:** This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Keep away from foodstuffs and animal feed.

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**15. Regulatory information**

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poisons Schedule Number**

AU SUSMP 2

Red iron oxide

Listed

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AU SUSMP 3		Poisons schedule number not allocated
AU SUSMP 4	Red iron oxide	Listed
AU SUSMP 5	Red iron oxide	Listed
AU SUSMP 6	Red iron oxide	Listed
AU SUSMP 7		Poisons schedule number not allocated
AU SUSMP 8		Poisons schedule number not allocated
AU SUSMP 9		Poisons schedule number not allocated
AU SUSMP A	Cristobalite	Listed
AU SUSMP B	Ethanol	Listed
AU SUSMP C		Poisons schedule number not allocated
AU SUSMP D		Poisons schedule number not allocated
AU SUSMP E		Poisons schedule number not allocated
AU SUSMP F		Poisons schedule number not allocated
AU SUSMP G		Poisons schedule number not allocated
AU SUSMP H		Poisons schedule number not allocated
AU SUSMP I		Poisons schedule number not allocated
AU SUSMP J		Poisons schedule number not allocated
AU SUSMP K		Poisons schedule number not allocated
AUSUSMPDS		Poisons schedule number not allocated

**Notifiable Carcinogenic Substances**  
 Not Regulated

**Prohibited Carcinogenic Substances**  
 Not Regulated

**National Pollutant Inventory (NPI) substance reporting list**

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Red iron oxide

Category threshold (quantity of fuel or waste burned by facility):2.000tonnes/yr	Threshold Category: 2B
Category threshold (quantity of fuel or waste burned by facility):400tonnes/yr	Threshold Category: 2A

Ethanol

Threshold quantity:10tonnes/yr	Threshold Category: 1
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**Prohibited Substances (National Model Regulations for the Control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994))**

Not Regulated

**Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)**

Not Regulated

**Importation of Ozone Depleting Substances (Customs (Prohibited Imports) Regulations 1956, Schedule 10)**

Not Regulated

**High Volume Industrial Chemicals (HVIC)**

Red iron oxide	Threshold quantity: 1.000 - 9.999 tonnes
Diatomaceous Earth	Threshold quantity: 10.000 - 99.999 tonnes
QUARTZ	Threshold quantity: 100.000 - 999.999 tonnes
Water	Threshold quantity: 1.000 - 9.999 tonnes
Ethanol	Threshold quantity: 10.000 - 99.999 tonnes

**International regulations**

**Montreal protocol**

Not applicable

**Stockholm convention**

Not applicable

**Rotterdam convention**

Not applicable

Not applicable

**Kyoto protocol**

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Not applicable

**Inventory Status:**

Australia AICS:	y (positive listing)	Remarks: None.
EU EINECS List:	y (positive listing)	Remarks: None.
Japan (ENCS) List:	y (positive listing)	Remarks: None.
China Inv. Existing Chemical Substances:	y (positive listing)	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	y (positive listing)	Remarks: None.
Canada DSL Inventory List:	y (positive listing)	Remarks: None.
Canada NDSL Inventory:	n (Negative listing)	Remarks: None.
Philippines PICCS:	y (positive listing)	Remarks: None.
US TSCA Inventory:	y (positive listing)	Remarks: On TSCA Inventory
Taiwan Chemical Substance Inventory:	y (positive listing)	Remarks: None.

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**16. Other Information**

<b>Issue Date:</b>	04.04.2018
<b>Revision Date:</b>	No data available.
<b>Version #:</b>	1.0
<b>Further Information:</b>	No data available.
<b>Key abbreviations or acronyms used:</b>	May cause cancer. May cause damage to organs through prolonged or repeated exposure.
<b>References:</b>	No data available.

## RTV60

### Disclaimer:

#### **Notice to reader**

Unless otherwise specified in section 1.2, Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

#### **Further Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given 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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