

RTV88

# SAFETY DATA SHEET

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

**GHS Product identifier:** RTV88

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

**Recommended use:** Silicone Elastomer

**Recommended restrictions:** Not known.

### 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:

Not classified

### GHS label elements

**Hazard symbol(s):** No symbol

**Signal Word:** Not available.

**Hazard Statement(s):** Not applicable

**Precautionary statement(s):** Not applicable

**Other hazards which do not result in GHS classification:**

None.

## 3. Composition/information on ingredients

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**Mixtures**

Chemical Identity	CAS number	Concentration*
Red iron oxide	1309-37-1	30 - 60%
Kieselguhr, soda ash flux-calcined	68855-54-9	10 - 30%
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.

(1) The respirable particle(s) listed above are inextricably bound within the polymer matrix, and therefore does not present an inhalation hazard during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

**4. First-aid measures**

**General information:** Get medical attention if symptoms occur.

**Description of necessary first-aid measures**

**Inhalation:** Move into fresh air and keep at rest. Get medical attention if symptoms occur.

**Skin Contact:** Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.

**Eye contact:** Get medical attention if symptoms occur. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

**Ingestion:** DO NOT induce vomiting. Get medical attention immediately. Do not give victim anything to drink if he is unconscious. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Symptoms caused by exposure**

**Symptoms:** No data available.

**Hazards:** No information about adverse effects due to exposure.

**Medical attention and special treatment**

**Treatment:** Not relevant.

**5. Fire-fighting measures**

**General Fire Hazards:** Do not use water jet as an extinguisher, as this will spread the fire. Use water spray to keep fire-exposed containers cool.

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**Means of fire extinguishing**

**Suitable extinguishing media:** Alcohol resistant foam. Carbon dioxide Dry chemical.

**Unsuitable extinguishing media:** Avoid water in straight hose stream; will scatter and spread fire.

**Specific hazards arising from the chemical:** No data available.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and protective clothing.

**Hazchem Code:** No data available.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapors. Use personal protective equipment. Use only in well-ventilated areas.

**Environmental Precautions:** Do not allow runoff to sewer, waterway or ground.  
**Methods and material for containment and cleaning up:** Absorb spillage with suitable absorbent material. Shovel up and place in a container for salvage or disposal.

**Notification Procedures:** Remove sources of ignition. In case of spills, beware of slippery floors and surfaces. See Section 8 of the SDS for Personal Protective Equipment. Collect and dispose of spillage as indicated in section 13 of the SDS.

**7. Handling and storage**

**Precautions for safe handling:** Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Wash hands after handling. Provide adequate ventilation. Avoid inhalation of dust and vapors.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed. Keep away from sources of ignition - No smoking.

**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

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			Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
Kieselguhr, soda ash flux-calcined	TWA	2 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	2 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	2 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
QUARTZ	TWA	0,1 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	0,1 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	0,1 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)
Tetraethyl Silicate	TWA	10 ppm 85 mg/m3	Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A) (04 2013)
	TWA	10 ppm 85 mg/m3	Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment) (08 2005)

This product contains one or more substances with an occupational exposure limit. However, the respirable particle(s) of this/these substance(s) are inextricably bound within the polymer matrix. Therefore, we do not expect an exposure to this/these substance(s) during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

**Biological Limit Values**

None of the components have assigned exposure limits.

**Appropriate Engineering Controls:**

Eyewash bottle with clean water. No special requirements under ordinary conditions of use and with adequate ventilation. Use only in well-ventilated areas.

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

**General information:**

General (mechanical) room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment.

**Eye/face protection:**

Safety glasses with side shields

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**Skin Protection**

<b>Hand Protection:</b>	No data available.
<b>Other:</b>	Safety shoes Long sleeves
<b>Respiratory Protection:</b>	Use only in well-ventilated areas.
<b>Hygiene measures:</b>	Observe good industrial hygiene practices. Wash hands after handling. When using do not eat, drink or smoke. Provide adequate ventilation.

**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>	> 260 °C
<b>Flash Point:</b>	> 100 °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 data available.
<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.

**10. Stability and reactivity**

<b>Reactivity:</b>	No data available.
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**Chemical Stability:** No data available.  
**Possibility of hazardous reactions:** No data available.

**Conditions to avoid:** No data available.

**Incompatible Materials:** No data available.  
**Hazardous Decomposition Products:** No data available.

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**11. Toxicological information**

**Information on likely routes of exposure**

**Inhalation:** No data available.  
**Skin Contact:** No data available.  
**Eye contact:** No data available.  
**Ingestion:** No data available.

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

**Inhalation:** No data available.  
**Skin Contact:** No data available.  
**Eye contact:** No data available.  
**Ingestion:** No data available.

**Information on toxicological effects**

**Acute toxicity**

**Oral Product:** ATEmix 43.478,26 mg/kg

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

**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.

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**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:**

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

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**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.

**Known or predicted distribution to environmental compartments**

Red iron oxide No data available.

Kieselguhr, soda ash flux-calcined No data available.

Silicic acid, ethyl ester No data available.

QUARTZ No data available.

Tetraethyl Silicate No data available.



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

**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:** Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. The generation of waste should be avoided or minimized wherever possible. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

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

**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.

**15. Regulatory information**

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

AU SUSMP 2	Red iron oxide	Listed
AU SUSMP 3		Poisons schedule number not allocated
AU SUSMP 4	Red iron oxide	Listed

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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		Poisons schedule number not allocated
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**

Red iron oxide

Category threshold

Threshold

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(quantity of fuel or waste burned by facility):2.000tonnes/yr	Category: 2B
	Threshold Category: 2A
Category threshold (quantity of fuel or waste burned by facility):400tonnes/yr	Ethanol
Threshold quantity:10tonnes/yr	Threshold Category: 1

**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
Ethanol	Threshold quantity: 10.000 - 99.999 tonnes

**International regulations**

**Montreal protocol**  
 Not applicable

**Stockholm convention**  
 Not applicable

**Rotterdam convention**  
 Not applicable

**Kyoto protocol**  
 Not applicable

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**Inventory Status:**

Australia AICS:	y (positive listing)	Remarks: None.
Canada DSL Inventory List:	y (positive listing)	Remarks: None.
EU EINECS List:	y (positive listing)	Remarks: None.
Japan (ENCS) List:	y (positive listing)	Remarks: None.
China Inventory of Existing Chemical Substances:	y (positive listing)	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	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: None.
New Zealand Inventory of Chemicals:	y (positive listing)	Remarks: None.
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>	No data available.
<b>References:</b>	No data available.

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**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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