

**RTV Silicone sealant**

Material number RTV01

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**SECTION 1: Identification of the substance/mixture  
and of the company/undertaking****1.1 Product identifier**

Trade name: RTV Silicone sealant

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

General use RTV Silicone sealant, one-component adhesive and sealing agent

**1.3 Details of the supplier of the safety data sheet**

Company name: AIRTECH EUROPE SARL

Street/POB-No.: Z.I. Haneboesch

Postal Code, city: 4562 Differdange

Luxemburg

WWW: www.airtech.lu

E-mail: sales@airtech.lu

Telephone: +352-582282-1

Telefax: +352-584935

Dept. responsible for information:

Telephone: +352-582282-1, E-mail: sales@airtech.lu

**1.4 Emergency telephone number**

GIZ-Nord, Germany Telephone: +49 (0)551-19240

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

This preparation is classified as not hazardous.

**2.2 Label elements****Labelling (67/548/EEC or 1999/45/EC)**

R phrase(s): not applicable

S phrase(s):  
S 2 Keep out of the reach of children.  
S 24 Avoid contact with skin.  
S 51 Use only in well-ventilated areas.**2.3 Other hazards**

Special danger of slipping by leaking/spilling product.

Contact with humidity liberates acetic acid.

Information about acetic acid: Causes severe burns.

&gt; 150 °C discharge of small quantities of formaldehyde.

Information about formaldehyde:

Toxic by inhalation, in contact with skin and if swallowed. Causes burns.

Limited evidence of a carcinogenic effect. May cause sensitization by skin contact.

**SECTION 3: Composition / information on ingredients**

3.1 Substances: not applicable

**3.2 Mixtures**

Chemical characterization (preparation):

Silicone elastomer

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Hazardous ingredients:

Ingredient	Designation	Content	Classification
EINECS 241-677-4 CAS 17689-77-9	Triacetoxethylsilane	< 3 %	EU: Xn; R22. C; R34. R14. CLP: Acute Tox. 4; H302. Skin Corr. 1B; H314. (EUH014).
EINECS 224-221-9 CAS 4253-34-3	Methylsilanetriyl triacetate	< 2 %	EU: Xn; R22. C; R34. R14. CLP: Acute Tox. 4; H302. Skin Corr. 1C; H314. (EUH014).

Additional information: Contact with humidity liberates acetic acid.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

After inhalation: Move victim to fresh air. Consult physician.

In case of skin contact: Thoroughly wash skin with soap and water.  
Contaminated/fouled clothing and shoes must be removed immediately.  
Consult a doctor if skin irritation persists.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After swallowing: Rinse mouth with water. Never give anything by mouth to an unconscious person.  
Do not induce vomiting. Immediately get medical attention.**4.2 Most important symptoms and effects, both acute and delayed**

Causes serious eye damage.

Causes skin irritation.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media:

Alcohol resistant foam, extinguishing powder, water fog, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet

**5.2 Special hazards arising from the substance or mixture**

Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition products: Silicium dioxide, traces of incompletely burned carbon compounds, formaldehyde, carbon monoxide and carbon dioxide.

**5.3 Advice for firefighters**

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information: Hazchem-Code: -

Cool endangered containers with water jetspray.

Do not allow fire water to penetrate into surface or ground water.

You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Wear protective equipment.  
Do not breathe vapour/aerosol. Avoid contact with skin and eyes.

**6.2 Environmental precautions**

Do not allow to enter into ground-water, surface water or drains.

**6.3 Methods and material for containment and cleaning up**

Take up mechanically, placing in appropriate containers for disposal.  
Thoroughly clean surrounding area.

Additional information: Special danger of slipping by leaking/spilling product.

**6.4 Reference to other sections**

Refer additionally to chapter 8 and 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Advices on safe handling Provide adequate ventilation, and local exhaust as needed.  
Use only in well-ventilated areas. Wear protective equipment.  
Do not breathe vapour/aerosol. Avoid contact with skin and eyes.

Precautions against fire and explosion:  
Keep away from sources of ignition. - No smoking.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storerooms and containers:  
Keep container tightly closed and dry. Protect from frost.  
Keep away from heat sources, sparks and open flames.  
Protect from moisture contamination. Keep in a cool, well-ventilated place.

Hints on joint storage Do not store together with: Oxidising agent.

Storage class: 11 Combustible solids

**7.3 Specific end use(s)**

RTV Silicone sealant, one-component adhesive and sealing agent

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

CAS No.	General name	Type	Limit value
64-19-7	Acetic acid	Europe: IOELV: TWA	25 mg/m <sup>3</sup> ; 10 ppm
		Great Britain: WEL-STEL	37 mg/m <sup>3</sup> ; 15 ppm
		Great Britain: WEL-TWA	25 mg/m <sup>3</sup> ; 10 ppm
		Ireland: 15 minutes	37 mg/m <sup>3</sup> ; 15 ppm
		Ireland: 8 hours	25 mg/m <sup>3</sup> ; 10 ppm

**8.2 Exposure controls**

Provide adequate ventilation, and local exhaust as needed.

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**Occupational exposure controls**

- Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded.  
Use filter type E according to EN 14387.  
Respiratory protection is required when product is heated to 150°C or above.  
Use filter type B according to EN 14387.
- Hand protection: Protective gloves according to EN 374.  
Glove material: Fluororubber (Viton), butyl caoutchouc (butyl rubber), nitrile rubber, neoprene.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Eye protection: Tightly sealed goggles according to EN 166.
- Body protection: Wear suitable protective clothing.
- General protection and hygiene measures:  
Avoid contact with skin, eyes, and clothing. Do not breathe vapours.  
Use only in well-ventilated areas. Change contaminated clothing.  
When using do not eat, drink or smoke.  
Wash hands before breaks and after work.  
Eye wash facility must be provided.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Physical state:	pasty
Colour	red
Odour:	like acetic acid
Density:	1,04 g/cm <sup>3</sup>
Water solubility:	insoluble
Thermal decomposition:	> 150 °C

**9.2 Other information**

No data available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Contact with humidity liberates acetic acid.

**10.2 Chemical stability**

Product is stable under normal storage conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known.

**10.4 Conditions to avoid**

Protect from moisture contamination.

**10.5 Incompatible materials**

Strong oxidizing agents, water, humidity

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**10.6 Hazardous decomposition products**

Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition products: Silicium dioxide, traces of incompletely burned carbon compounds, formaldehyde, carbon monoxide and carbon dioxide.

Thermal decomposition: &gt; 150 °C

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Toxicological effects

Acute toxicity (oral): Lack of data.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.  
Eye damage/irritation: Eye Dam. 1; H318 = Causes serious eye damage.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Lack of data.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Lack of data.  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

**Symptoms**

After inhalation: In case of high vapour concentrations:  
Inhaling can lead to irritations of the respiratory tract and mucous membrane.  
In case of ingestion: May be harmful if swallowed.

**General remarks**

With exposure to moisture, product will release acetic acid.  
Information about acetic acid: Causes severe burns.  
> 150 °C discharge of small quantities of formaldehyde.  
Information about Formaldehyde:  
Toxic by inhalation, in contact with skin and if swallowed.  
Limited evidence of a carcinogenic effect.  
May cause chronic bronchitis and permanent allergic reactions.

**SECTION 12: Ecological information****12.1 Toxicity**

Water Hazard Class: 1 = slightly hazardous to water  
Further details: No indication of bioaccumulation potential.

**12.2. Persistence and degradability**

Further details: No data available

**12.3 Bioaccumulative potential**

No data available

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**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

No data available

**12.6 Other adverse effects**

General information: Do not allow to enter into ground-water, surface water or drains.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**Waste key number 07 02 16\* = Wastes containing dangerous silicones  
\* = Evidence for disposal must be provided.

Recommendation: Incinerate according to applicable local, state and federal regulations.

**Contaminated packaging**

Waste key number 15 01 02 = Plastic packaging

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

**SECTION 14: Transport information****14.1 UN number**

not applicable

**14.2 UN proper shipping name**

ADR/RID, IMDG, IATA: Not restricted

**14.3 Transport hazard class(es)**

not applicable

**14.4 Packing group**

not applicable

**14.5 Environmental hazards**

Marine pollutant - IMDG: No

**14.6 Special precautions for user**

No dangerous good in sense of these transport regulations.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data available

**SECTION 15: Regulatory information****National regulations - Great Britain**

Hazchem-Code: -

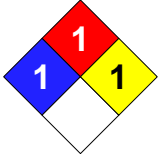
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**National regulations - USA**

Hazard rating systems



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 1 (Slight)

Reactivity: 1 (Slight)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 1 (Slight)

Physical Hazard: 1 (Slight)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	1
	X

**15.2 Chemical Safety Assessment**

No data available

**SECTION 16: Other information****Further remarks**

Wording of the R-phrases under paragraph 2 and 3:

R 14 = Reacts violently with water.

R 22 = Harmful if swallowed.

R 34 = Causes burns.

Reason of change: Changes in section 2: classification, labelling, GHS  
General revision

Date of first version: 11/02/2010

**Group that issues data sheet**

Contact person: see section 1: Dept. responsible for information

This data sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, and which additional precautions may be necessary. All health and safety information contained in this data sheet should be provided to your employees and customers. It is your responsibility to develop appropriate workplace instructions and training programmes for employees.

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