



## Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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Loctite 595

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### 1. Identification of the substance/preparation and of the company/undertaking

**Trade name:**  
Loctite 595

**Intended use:**  
Silicone sealant

**Company name:**  
Henkel Ireland Limited  
Product Safety & Regulatory Affairs  
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### 2. Hazards identification

Acetoxy curing silicones release acetic acid vapours in contact with moisture. Acetic acid is corrosive and irritating to the eyes and respiratory system.  
Not classified as hazardous.

### 3. Composition / information on ingredients

**General chemical description:**  
Acetoxy curing silicone

**Declaration of ingredients according to (EC) No 1907/2006:**

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Triacetoxylethylsilane 17689-77-9	241-677-4	1 - 5 %	C - Corrosive; R34 Xn - Harmful; R22 R14
Methyltriacetoxysilane 4253-34-3	224-221-9	1 - 5 %	R14 C - Corrosive; R34 Xn - Harmful; R22

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.

Substances without classification may have community workplace exposure limits available.

#### 4. First aid measures

**Inhalation:**

Move to fresh air. If symptoms persist, seek medical advice.

**Skin contact:**

Rinse with running water and soap.  
Obtain medical attention if irritation persists.

**Eye contact:**

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

**Ingestion:**

Do not induce vomiting.  
Seek medical advice.

#### 5. Fire fighting measures

**Suitable extinguishing media:**

Carbon dioxide, foam, powder  
fine water spray

**Special protection equipment for firefighters:**

Wear self-contained breathing apparatus.

**Hazardous combustion products:**

carbon oxides., Silica fume, Formaldehyde

**Additional information:**

In case of fire, keep containers cool with water spray.

#### 6. Accidental release measures

**Personal precautions:**

Avoid contact with skin and eyes.  
Ensure adequate ventilation.

**Environmental precautions:**

Do not let product enter drains.

**Clean-up methods:**

Scrape up as much material as possible.  
Ensure adequate ventilation.  
Store in a partly filled, closed container until disposal.

#### 7. Handling and storage

**Handling:**

Use only in well-ventilated areas.  
Vapours should be extracted to avoid inhalation.

**Storage:**

Store in a cool, well-ventilated place.  
Never allow product to get in contact with water during storage

#### 8. Exposure controls / personal protection

**Components with specific control parameters for workplace:**

**Respiratory protection:**

Use only in well-ventilated areas.

**Hand protection:**

The use of chemical resistant gloves such as Nitrile are recommended.

Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (IIR;  $\geq 0.4$  mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (IIR;  $\geq 0.4$  mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:**

Wear protective glasses.

**General protection and hygiene measures:**

Good industrial hygiene practices should be observed.

**9. Physical and chemical properties****General characteristics:**

Appearance	Paste colourless
Odor:	Acetic acid

**Phys./chem. properties:**

pH-value	not applicable
Boiling point	Not determined
Flash point	> 100 °C (> 212 °F)
Vapor pressure	Not determined
Density	1,02 g/cm <sup>3</sup>
( )	
Solubility (qualitative)	Polymerises in presence of water.
Solubility (qualitative) (Solvent: Acetone)	Insoluble
VOC content (1999/13/EC)	< 5 % (As defined in the Council Directive 2004/42/EC)

**10. Stability and reactivity****Conditions to avoid:**

Stable under normal conditions of storage and use.

**Materials to avoid:**

Strong oxidizing agents.  
Polymerises in presence of water.

**Hazardous decomposition products:**

Acetic acid is liberated slowly upon contact with moisture.  
At higher temperatures (>150C) may release formaldehyde (traces).

**11. Toxicological information****Oral toxicity:**

This material is considered to have low toxicity if swallowed.

**Inhalative toxicity:**

Acetic acid is liberated slowly upon contact with moisture.  
Inhalation of vapors in high concentration may cause irritation of respiratory system

**Skin irritation:**

Prolonged or repeated contact may cause skin irritation.

**Eye irritation:**

Acetic acid released during polymerisation of acetoxy curing RTV silicones is irritating to the eyes

## 12. Ecological information

**Ecotoxicity:**

It is expected to be non hazardous to aquatic species.  
Do not empty into drains / surface water / ground water.

**Mobility:**

Cured adhesives are immobile.

**Persistence and Biodegradability:**

The product is not biodegradable.

**Bioaccumulative potential:**

Does not bioaccumulate.

**General ecological information:**

Cured Loctite products are typical polymers and do not pose any immediate environmental hazards.  
In the cured state contribution of this product to Environmental Hazards is insignificant in comparison to articles in which it is used.  
Precautions required with respect to Environmental Hazards of articles in which this product is used should be considered.

## 13. Disposal considerations

**Product disposal:**

Dispose of in accordance with local and national regulations.

**Waste code(EWC):**

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

**Disposal of uncleaned packages:**

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.  
Disposal must be made according to official regulations.

## 14. Transport information

**General information:**

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

## 15. Regulations - classification and identification

**Risk phrases:**

Not classified as hazardous.

## 16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

- R14 Reacts violently with water.
- R22 Harmful if swallowed.
- R34 Causes burns.

### **Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

This safety data sheet was prepared in accordance with Council Directive 67/548/EEC and its subsequent amendments, and Commission Directive 1999/45/EC.