



Safety Data Sheet according to (EC) No 1907/2006

Page 1 of 7

Loctite 5927

sds no. : 164831

V002.1

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier:

Loctite 5927

Relevant identified uses of the substance or mixture and uses advised against:

Intended use:

Silicone sealant

Details of the supplier of the safety data sheet:

Henkel Limited

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Great Britain

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Emergency telephone number:

24 Hours Emergency Tel: +44(0)8701906777

SECTION 2: Hazards identification

Classification of the substance or mixture:

Classification (DPD):

No classification required.

Label elements (DPD):

Risk phrases:

Not classified as hazardous.

Other hazards:

None if used properly.

SECTION 3: Composition/information on ingredients

General chemical description:

Acetoxy curing silicone

Declaration of ingredients according to DPD (EC) No 1999/45:

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

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.

Acetic acid is liberated slowly upon contact with moisture.

SECTION 4: First aid measures**Description of 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.

Most important symptoms and effects, both acute and delayed:

No particular measures required.

Indication of any immediate medical attention and special treatment needed:

See section: Description of first aid measures

SECTION 5: Firefighting measures**Extinguishing media:****Suitable extinguishing media:**

Carbon dioxide, foam, powder
Fine water spray

Extinguishing media which must not be used for safety reasons:

None known

Special hazards arising from the substance or mixture:

None
carbon oxides.
Silica fume
Formaldehyde

Advice for firefighters:

Wear self-contained breathing apparatus.

Additional information:

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

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes.
Ensure adequate ventilation.
See advice in chapter 8

Environmental precautions:

Do not let product enter drains.

Methods and material for containment and cleaning up:

Scrape up as much material as possible.
Ensure adequate ventilation.
Store in a partly filled, closed container until disposal.
Dispose of contaminated material as waste according to Chapter 13.

SECTION 7: Handling and storage

Precautions for safe handling:

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

Hygiene measures:

Good industrial hygiene practices should be observed.

Conditions for safe storage, including any incompatibilities:

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

Specific end use(s):

Silicone sealant

SECTION 8: Exposure controls/personal protection

Control parameters:

Exposure controls:

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 (NBR; ≥ 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 (NBR; ≥ 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.

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

Appearance	paste red
Odor	Mild
pH	Not determined
Initial boiling point	Not determined
Flash point	> 150 °C (> 302 °F)
Decomposition temperature	No data available / Not applicable
Vapour pressure (20 °C (68 °F))	< 0,13 mbar
Density ()	1,04 g/cm3
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (Solvent: Water)	partially soluble
Solubility (qualitative) (Solvent: Acetone)	Insoluble
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

Other information:

No data available / Not applicable

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

None if used properly.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

See section reactivity

Conditions to avoid:

Stable under normal conditions of storage and use.

Incompatible materials:

No data available.

Hazardous decomposition products:

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

SECTION 11: Toxicological information**General toxicological information:**

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

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 acetoxo curing RTV silicones is irritating to the eyes

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Methyltriacetoxysilane 4253-34-3	LD50	1.600 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
Triacetoxylethylsilane 17689-77-9	LD50	1.460 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

SECTION 12: Ecological information**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.

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Ecotoxicity:

Do not empty into drains / surface water / ground water.

Mobility:

Cured adhesives are immobile.

Persistence and Biodegradability:

The product is not biodegradable.

Bioaccumulative potential:

No data available.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Triacetoxylethylsilane 17689-77-9	LC50	251 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Triacetoxylethylsilane 17689-77-9	EC50	62 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Triacetoxylethylsilane 17689-77-9	IC50	73 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
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Triacetoxyethylsilane 17689-77-9			74 %	OECD Guideline 301 A (old version) (Ready Biodegradability: Modified AFNOR Test)
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Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Triacetoxyethylsilane 17689-77-9	0,74					

SECTION 13: Disposal considerations**Waste treatment methods:**

Product disposal:

Dispose of in accordance with local and national regulations.

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.

Waste code

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

SECTION 14: Transport information**Road transport ADR:**

Not dangerous goods

Railroad transport RID:

Not dangerous goods

Inland water transport ADN:

Not dangerous goods

Marine transport IMDG:

Not dangerous goods

Air transport IATA:

Not dangerous goods

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations 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.