



Safety Data Sheet in compliance with Indian Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, Rule 17, Schedule 9

Page 1 of 4

LOCTITE SI 596 FLANGE SEALANT known as 596 FLANGE SEALANT 300ML

MSDS-No. : 168444
V001.1

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

Product name: LOCTITE SI 596 FLANGE SEALANT known as 596 FLANGE SEALANT 300ML
Material: 231567
Product category: Silicone Sealant

Identification of manufacturer, importer or distributor

Manufacturer: Henkel Adhesives Technologies India Pvt. Ltd. D3/D4, MIDC, Jejuri - 412303 India. TEL : +91 2115 300017 / 18 FAX : + 91 2115 253448, Website : www.henkel.com

Emergency information: +91 2115 300017-18

Section 2. Composition / information on ingredients

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

Hazardous components CAS-No.	EINECS	content	Classification
Methylsilanetriyl triacetate 4253-34-3	224-221-9	1 - 10 %	R14 C - Corrosive; R34 Xn - Harmful; R22
Triacetoxymethylsilane 17689-77-9	241-677-4	1 - 10 %	C - Corrosive; R34 Xn - Harmful; R22 R14

Section 3. Hazards identification

Hazard classification: C - Corrosive

Health Effects: R14 Reacts violently with water.
R34 Causes burns.

Skin: Causes burns.

Eye: Vapors may irritate eyes. Contact with eyes will cause irritation.

Inhalation: Acetic acid produced during cure may irritate eyes, nose and throat.
When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limit.

Ingestion: Harmful if swallowed.

Section 4. First aid measures

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

Skin contact: Wipe off paste with paper towel or cloth.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids.
If eye irritation persists, consult a specialist.

Ingestion: Do not induce vomiting.
If a person feels unwell or symptoms of skin irritation appear, consult a physician.

Section 5. Fire fighting measures

Suitable extinguishing media: Foam, dry chemical or carbon dioxide.

Hazardous combustion products: Formaldehyde
Silica mist.
Acrid smoke and fumes.

Section 6. Accidental release measures

Environmental precautions: Do not empty into drains / surface water / ground water.

Clean-up methods: Scrape up as much material as possible.
Spilled material will solidify.
Store in a closed container until ready for disposal.
Maintain good ventilation for large spills.

Section 7. Handling and storage

Handling: Avoid contact with eyes, skin and clothing.
Do not get in eyes.
Do not get on skin or clothing.
Do not wear contact lenses.

Storage: Store in a dry place.
Store below 90°C (195°F).
Keep container tightly sealed.

Section 8. Exposure controls / personal protection

Ingredient	Type	ppm	mg/m ³	Remarks
Respiratory protection:	Suitable respiratory protection:			
Hand protection:	Use protective gloves.			
Eye protection:	Wear protective glasses.			
Engineering controls:	Ensure adequate ventilation.			

Section 9. Physical and chemical properties

Appearance: red
paste

Odor: Acetic acid

Specific gravity: 1,05

Lower explosive limit: 4 %(V)
(acetic acid)

Upper explosive limit: 19,9 %(V)

Flash point:	(acetic acid) > 93 °C (> 199.4 °F)
Vapor pressure:	< 10 mm hg
Solubility:	Solvent: Water, Insoluble
VOC content	4,8 %

Section 10. Stability and reactivity

Conditions to avoid:	Prolonged heating at temperatures above 150 °C. Stable
Materials to avoid:	Water Acids. Bases. Oxidizing agents.
Hazardous decomposition products:	Acetic acid is liberated slowly upon contact with moisture. Formaldehyde
Hazardous polymerization:	Will not occur.

Section 11. Toxicological information

General toxicological information:	No experimental toxicological data on the preparation as such is available.
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Section 12. Ecological information

General ecological information:	No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, ground water, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.
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Section 13. Disposal considerations

Product

Method of disposal:	Dispose of in accordance with local and national regulations.
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Packaging

Disposal for uncleaned package:	Disposal must be made according to official regulations.
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Section 14. Transport information

Air transport IATA:	Not dangerous goods
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Section 15. Regulations - classification and identification

Indication of danger:	C - Corrosive
Risk phrases:	R14 Reacts violently with water. R34 Causes burns.
Safety phrases:	S8 Keep container dry. S22 Do not breathe dust. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S60 This material and its container must be disposed of as hazardous waste.
Methyltriacetoxysilane	OECD. Program to investigate the potential hazards of high production volume chemicals (HPV), including decisions on the need for further work.
Triacetoxylethylsilane	OECD. Program to investigate the potential hazards of high production volume chemicals (HPV), including decisions on the need for further work.

Section 16. Other information

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Prepared by:	Sampada Bhat, Manager, Product Safety & Regulatory Affairs.
Disclaimer:	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.