Safety Data Sheet

LOCTITE SI 5331 WH TB100ML EN/D

SDS No. : 152750
V001.1
Revision: 21.05.2020
printing date: 08.03.2021

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: LOCTITE SI 5331 WH TB100ML EN/D

Intended use: Silicone sealant

Supplier:

Henkel New Zealand Ltd
2 Allens Rd
Auckland, 2013
New Zealand
Phone: +64 (9) 272-6710

Emergency information: 24 HOUR EMERGENCY CONTACT NUMBER 0800 243 622

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture
Classified as hazardous according to the criteria of the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017
Not Classified as Dangerous Goods according to NZS 5433: 2012 and the Land Transport Rule: Dangerous Goods 2005.

GHS Classification:

Hazard Class	Hazard Category
Skin irritation	Category 2
Serious eye damage/eye irritation	Category 1

Hazard pictogram:

Signal word: Danger

Hazard statement(s): H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary Statement(s):
Prevention: P264 Wash hands thoroughly after handling.
P280 Wear protective gloves, eye protection, and face protection.

Response: P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338+P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

General chemical description: Mixture
Type of preparation: Acetoxy curing silicone

Identity of ingredients:

Chemical ingredients	CAS-No.	Proportion
Methylsilanetriyl triacetate	4253-34-3	3- < 5 %
non hazardous ingredients~		60- < 100 %

SECTION 4 FIRST AID MEASURES

Ingestion: Do not induce vomiting.
Seek medical advice.

Skin: Rinse with running water and soap.
Seek medical advice.

Eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Immediate medical treatment necessary.

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

First Aid facilities: Eye wash and safety shower
Normal washroom facilities

Medical attention and special treatment: Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, foam, powder
Fine water spray

Improper extinguishing media: None known

Decomposition products in case of fire: Formaldehyde
carbon oxides.
Silica fume.

Particular danger in case of fire: None

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

Additional fire fighting advice: In case of fire, keep containers cool with water spray.
Collect contaminated fire fighting water separately. It must not enter drains.

SECTION 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.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: Use only in well-ventilated areas.
Vapours should be extracted to avoid inhalation.

Conditions for safe storage: Store in sealed original container protected against moisture.
Store in a cool, well-ventilated place.
Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure standards:

None

Biological Exposure Indices:
None

Engineering controls: Ensure good ventilation/suction at the workplace.

Eye protection: Wear chemical goggles and face shield.

Skin protection: Wear protective equipment.
Nitrile rubber gloves should be worn.
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.

Respiratory protection: If inhalation risk exists, wear a respirator or air supplied mask complying with the requirements of AS/NZS 1715 and AS/NZS 1716.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	white liquid
Odor:	Acetic acid
Flash point:	> 100 °C (> 212 °F)
Vapor density:	Heavier than air
Density:	1.14 g/cm3
Solubility in water:	Polymerises in presence of water.
VOC content: (2010/75/EC)	< 5 %

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Conditions to avoid: Stable under normal conditions of storage and use.

Incompatible materials: Strong oxidizing agents.
Polymerises in presence of water.

Hazardous decomposition products: At higher temperatures (>150C) may release formaldehyde (traces).

Acetic acid is liberated slowly upon contact with moisture.

SECTION 11 TOXICOLOGICAL INFORMATION

Health Effects:

Ingestion: Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

Skin: Irritating to skin.
Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Eyes: Causes serious eye damage.
Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Inhalation: May cause irritation to nose and throat.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Methylsilanetriyl triacetate 4253-34-3	LD50	1,600 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Methylsilanetriyl triacetate 4253-34-3	corrosive	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Methylsilanetriyl triacetate 4253-34-3	Category 1 (irreversible effects on the eye)		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
Methylsilanetriyl triacetate 4253-34-3	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Methylsilanetriyl triacetate 4253-34-3	negative negative negative	bacterial reverse mutation assay (e.g Ames test) in vitro mammalian chromosome aberration test mammalian cell gene mutation assay	with and without with and without with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay) OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test) OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Repeated dose toxicity:

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Methylsilanetriyl triacetate 4253-34-3	NOAEL=50 mg/kg	oral: gavage	28-51 ddaily	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

SECTION 12. ECOLOGICAL INFORMATION

General ecological information: Cured Loctite products are typical polymers and do not pose any immediate environmental hazards., Precautions required with respect to Environmental Hazards of articles in which this product is used should be considered.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Methylsilanetriyl triacetate 4253-34-3	LC50	> 110 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)

SECTION 13. DISPOSAL CONSIDERATIONS

Waste disposal of product: Dispose of in accordance with local and national regulations.
Small amounts of cured or dried product residues can be disposed of as household waste or as industrial waste similar to household waste.

Disposal for uncleaned package: 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.

SECTION 14. TRANSPORT INFORMATION

Dangerous Goods information:

Land Transport: Not Classified as Dangerous Goods according to NZS 5433: 2012 and the Land Transport Rule: Dangerous Goods 2005.

Marine transport IMDG:
Not dangerous goods

Air transport IATA:
Not dangerous goods

`SECTION 15. REGULATORY INFORMATION

New Zealand regulatory information:

Classified as hazardous according to the criteria of the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017

HSNO Approval Number: Group standard HSR002670

NZIoC: Compliant for NZIOC

SECTION 16. OTHER INFORMATION

Abbreviations/acronyms:
HSNO - Hazardous Substances and New Organisms
IMDG: International Maritime Dangerous Goods code
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

Reason for issue: New Safety Data Sheet format. involved chapters: 1-16

Date of previous issue: 13.07.2015

Disclaimer:

The percentage weight (% w/w) of ingredients is not to be taken as a specification guaranteed by Henkel New Zealand Limited, but only as an approximate guide to the content of hazardous ingredients in the material. The information contained herein does not constitute a guarantee by Henkel New Zealand Limited concerning the properties of the material.
The information contained in this Safety Data Sheet is offered in good faith and has been developed from what is believed to be accurate and reliable sources. The information is offered without warranty, representation, inducement or licence and Henkel New Zealand Limited assumes no legal responsibility for reliance upon same. Henkel New Zealand Limited disclaims any liability for loss, injury or damage incurred in connection with the use of the material or its associated Safety Data Sheet.
This information is not to be construed as a representation that the material is suitable for any particular purpose or use except those conditions and warranties implied by Government statutes. Customers are encouraged to make their own enquiries as to the material's characteristics and, where appropriate, to conduct their own tests in the specific context of the material's intended use.
No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance.