



## Safety Data Sheet

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LOCTITE SI 598 BK RTV SILICON known as Loctite 598 Black  
95G AU

SDS No. : 152851

V001.3

Date of issue: 29.07.2016

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

**Product name:** LOCTITE SI 598 BK RTV SILICON known as Loctite 598 Black 95G AU

**Intended use:** Silicone sealant

**Supplier:**  
Henkel Australia Pty Ltd  
135-141 Canterbury Road  
Kilsyth, Victoria, 3137  
Australia

Phone: +61 (3) 9724 6444

**Emergency information:** 24 HOUR EMERGENCY CONTACT NUMBER: 1800 032 379

### Section 2. Hazards identification

#### Classification of the substance or mixture

Hazardous according to the criteria of Safe Work Australia.

#### GHS Classification:

<u>Hazard Class</u>	<u>Hazard Category</u>
Serious eye damage/eye irritation	Category 1
Skin sensitizer	Category 1
Acute hazards to the aquatic environment	Category 3

#### Hazard pictogram:



**Signal word:** Danger

**Hazard statement(s):** H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H402 Harmful to aquatic life.

**Precautionary Statement(s):**

**Prevention:** P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/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.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.

**Disposal:** P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations.

**Dangerous Goods information:**

Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**Section 3. Composition / information on ingredients**

**General chemical description:** Mixture  
resins

**Type of preparation:** Silicone sealant

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
Butan-2-one O,O',O''-(vinylsilylydyne)trioxime	2224-33-1	< 5 %
non hazardous ingredients~		60- 100 %

**Section 4. First aid measures**

**Ingestion:** Rinse mouth, do not induce vomiting, consult a doctor.

**Skin:** Immediately wash skin thoroughly with soap and water.  
Seek medical advice.

**Eyes:** Immediately flush eyes with plenty of water 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  
Normal washroom facilities

**Medical attention and special treatment:** Treat symptomatically.

### Section 5. Fire fighting measures

**Suitable extinguishing media:** Carbon dioxide, foam, powder  
Water spray or fog.

**Improper extinguishing media:** High pressure waterjet

**Decomposition products in case of fire:** Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.  
Oxides of carbon.  
Oxides of silicon.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

**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:** Use personal protective equipment as described in Section 8.  
Avoid contact with skin and eyes.

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

**Clean-up methods:** Absorb spill with inert material. Shovel material into appropriate container for disposal.  
Dispose of contaminated material as waste according to Section 13.

### Section 7. Handling and storage

**Precautions for safe handling:** Avoid skin and eye contact.  
Refer to Section 8.  
Ensure that workrooms are adequately ventilated.

**Conditions for safe storage:** Suitable material for containers: original container.  
Store in a cool, dry, well-ventilated area.  
Keep away from heat and direct sunlight.

### Section 8. Exposure controls / personal protection

**National exposure standards:**

None

<b>Engineering controls:</b>	Ensure good ventilation/suction at the workplace.
<b>Eye protection:</b>	Wear chemical goggles and face shield.
<b>Skin protection:</b>	Use of an impervious apron is recommended. Suitable protective gloves.  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.
<b>Respiratory protection:</b>	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

<b>Appearance:</b>	Black paste
<b>Odor:</b>	mild
<b>Melting point / freezing point:</b>	Not available.
<b>Specific gravity:</b>	1.3
<b>Flash point:</b> (Tagliabue closed cup)	> 93 °C (> 199.4 °F)
<b>Vapor pressure:</b> (; 20 °C (68 °F))	< 5 mm hg
<b>Vapor density:</b>	Heavier than air.
<b>Density:</b>	1.05 g/cm <sup>3</sup>
<b>Solubility in water:</b>	Polymerises in presence of water.
<b>VOC content:</b> (2010/75/EC)	< 5.00 %

### Section 10. Stability and reactivity

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Exposure to air or moisture over prolonged periods.
<b>Incompatible materials:</b>	Strong oxidizing agents. Reaction with acids: production of heat and carbon dioxide.
<b>Hazardous decomposition products:</b>	In case of fire toxic gases can be released.  Oxides of carbon. Oxides of silicon.
<b>Hazardous polymerization:</b>	Will not occur.

### Section 11. Toxicological information

**Health Effects:****Ingestion:**

May cause gastrointestinal tract irritation if swallowed.

**Skin:**

Mild skin irritation.

Symptoms may include redness, edema, drying, defatting and cracking of the skin.

May cause an allergic skin reaction.

**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
Butan-2-one O,O',O''-(vinylsilylidyne)trioxime 2224-33-1	LD50	> 2,000 mg/kg	oral		rat	OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure) OECD Guideline 402 (Acute Dermal Toxicity)
	LD50	> 2,000 mg/kg	dermal		rat	

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
Butan-2-one O,O',O''-(vinylsilylidyne)trioxime 2224-33-1	Sensitizing	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
Butan-2-one O,O',O''-(vinylsilylidyne)trioxime 2224-33-1	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Butan-2-one O,O',O''-(vinylsilylidyne)trioxime 2224-33-1	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

**Repeated dose toxicity:**

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Butan-2-one O,O',O''-(vinylsilylidyne)trioxime 2224-33-1	NOAEL=10 mg/kg	oral: gavage		rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

**Section 12. Ecological information**

**General ecological information:** Do not empty into drains / surface water / ground water.

**Ecotoxicity:** Harmful to aquatic life.

**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Butan-2-one O,O',O''- (vinylsilylidyne)trioxime 2224-33-1	LC50	> 560 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Butan-2-one O,O',O''- (vinylsilylidyne)trioxime 2224-33-1	NOEC	50 mg/l	Fish	14 d	Oryzias latipes	OECD Guideline 204 (Fish, Prolonged Toxicity Test: 14-day Study)
Butan-2-one O,O',O''- (vinylsilylidyne)trioxime 2224-33-1	EC50	201 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Butan-2-one O,O',O''- (vinylsilylidyne)trioxime 2224-33-1	EC50	94 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Butan-2-one O,O',O''- (vinylsilylidyne)trioxime 2224-33-1	NOEC	30 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Butan-2-one O,O',O''- (vinylsilylidyne)trioxime 2224-33-1	Not readily biodegradable.	aerobic	26 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))

### Section 13. Disposal considerations

**Waste disposal of product:** Collection and delivery to recycling enterprise or other registered elimination institution. Dispose of as hazardous waste in compliance with local and national regulations.

**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.

### Section 14. Transport information

**Road and Rail Transport:**

Dangerous Goods information: Not classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).

**General information:**

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

### Section 15. Regulatory information

<b>SUSMP Poisons Schedule</b>	None
<b>AICS:</b>	All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICS).

### Section 16. Other information

<b>Abbreviations/acronyms:</b>	ADGC - Australian Dangerous Goods Code STEL - Short term exposure limit TWA - Time weighted average
<b>Reason for issue:</b>	Reviewed SDS. Reissued with new date. involved chapters: 1 - 16
<b>Date of previous issue:</b>	04.06.2014
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