



## Safety Data Sheet

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OSI VP275 Multipurpose Silicone Sealant

SDS No. : 209066

V001.2

Date of issue: 09.09.2021

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

**Product name:** OSI VP275 Multipurpose Silicone Sealant

**Intended use:** Silicone

**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:**

**Hazard Class**

Serious eye irritation  
Skin sensitizer

**Hazard Category**

Category 2A  
Category 1

**Hazard pictogram:**



**Signal word:**

Warning

<b>Hazard statement(s):</b>	H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.
<b>Precautionary Statement(s):</b>	
<b>Prevention:</b>	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves, eye protection, and face protection.
<b>Response:</b>	P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P363 Wash contaminated clothing before reuse.
<b>Disposal:</b>	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

**Identity of ingredients:**

Chemical ingredients	CAS-No.	Proportion
Butan-2-one O,O',O''-(methylsilylydyne)trioxime	22984-54-9	1- < 10 %
Butan-2-one O,O',O''-(vinylsilylydyne)trioxime	2224-33-1	1- < 3 %
N-(3-(Trimethoxysilyl)propyl)ethylenediamine	1760-24-3	< 1 %
non hazardous ingredients~		40- 100 %

**Section 4. First aid measures**

<b>Ingestion:</b>	Do not induce vomiting. Seek medical advice.
<b>Skin:</b>	Rinse with running water and soap. Obtain medical attention if irritation persists.
<b>Eyes:</b>	Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
<b>Inhalation:</b>	Move to fresh air. If symptoms persist, seek medical advice.
<b>First Aid facilities:</b>	Eye wash Normal washroom facilities
<b>Medical attention and special treatment:</b>	Treat symptomatically.

**Section 5. Fire fighting measures**

- Suitable extinguishing media:** Carbon dioxide, foam, powder
- Decomposition products in case of fire:** carbon oxides.  
Silica fume
- Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus.  
Wear full protective clothing.
- Additional fire fighting advice:** In case of fire, keep containers cool with water spray.

**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.  
Store in a cool, well-ventilated place.  
Do not expose to direct sunlight.

**Section 8. Exposure controls / personal protection**

**National exposure standards:**

Ingredient [Regulated substance]	form of exposure	TWA (ppm)	TWA (mg/m3)	Peak Limit. (ppm)	Peak Limit. (mg/m3)	STEL (ppm)	STEL (mg/m3)
SILICA, AMORPHOUS: FUMED SILICA (RESPIRABLE DUST) 7631-86-9	Respirable dust.		2				
FUMED SILICA (RESPIRABLE DUST) 7631-86-9	Respirable dust.		2				

None

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<b>Engineering controls:</b>	Use only with adequate ventilation.
<b>Eye protection:</b>	Wear protective glasses.
<b>Skin protection:</b>	Use of Butyl or Nitrile Rubber gloves is 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.
<b>Respiratory protection:</b>	Use only in well-ventilated areas. 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>	Clear Paste
<b>Odor:</b>	Mild
<b>Specific gravity:</b>	1.04
<b>Flash point:</b> (Tagliabue closed cup)	> 93 °C (> 199.4 °F)
<b>Solubility in water:</b>	Not soluble. Polymerizes in presence of water.
<b>VOC content:</b>	< 3.00 % 41 g/l

### Section 10. Stability and reactivity

<b>Stability:</b>	Stable under normal conditions of temperature and pressure.
<b>Conditions to avoid:</b>	Contamination with water. Extremes of temperature.
<b>Incompatible materials:</b>	Acids. Bases. Oxidizing agents. Polymerises in presence of water.
<b>Hazardous decomposition products:</b>	Methyl ethyl ketoxime formed during cure.  Methanol is liberated slowly upon exposure to moisture. Oxides of silicon. Oxides of nitrogen.

### Section 11. Toxicological information

**Health Effects:**

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

**Skin:** May cause skin sensitization.

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

**Eyes:** This product is severely irritating to the eyes.

Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

**Inhalation:** Abrasion of cured material such as by sanding or grinding could release respirable particles of silica quartz, a cancer hazard by inhalation. Normal use of this product causes no such release. 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''-(methylsilylidyne)trioxime 22984-54-9	LD50	2,463 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity) OECD Guideline 402 (Acute Dermal Toxicity)
	LD50	> 2,000 mg/kg	dermal		rat	
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) Expert judgement OECD Guideline 402 (Acute Dermal Toxicity)
	Acute toxicity estimate (ATE) LD50	2,500 mg/kg > 2,009 mg/kg	oral dermal		rat	
N-(3-(Trimethoxysilyl)propyl)ethylenediamine 1760-24-3	LD50	2,295 mg/kg	oral	4 h	rat	EPA OPPTS 870.1100 (Acute Oral Toxicity) EPA OPPTS 870.1300 (Acute inhalation toxicity) Expert judgement EPA OPPTS 870.1200 (Acute Dermal Toxicity)
	LC50	1.49 - 2.44 mg/l	inhalation		rat	
	Acute toxicity estimate (ATE) LD50	1.49 mg/l > 2,000 mg/kg	inhalation dermal		rat	

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Butan-2-one O,O',O''-(methylsilylidyne)trioxime 22984-54-9	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Butan-2-one O,O',O''-(vinylsilylidyne)trioxime 2224-33-1	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Butan-2-one O,O',O''-(methylsilylidyne)trioxime 22984-54-9	irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
N-(3-(Trimethoxysilyl)propyl)ethylenediamine 1760-24-3	highly irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
Butan-2-one O,O',O''- (methylsilylidyne)trioxime 22984-54-9	Sensitizing	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Butan-2-one O,O',O''- (vinylsilylidyne)trioxime 2224-33-1	Sensitizing	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
N-(3- (Trimethoxysilyl)propyl)ethylenediamine 1760-24-3	sensitising	Mouse local lymph node assay (LLNA)	guinea pig	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

**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''- (methylsilylidyne)trioxime 22984-54-9	LOAEL=40 mg/kg	oral: gavage	13 w5 d/week	rat	EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
Butan-2-one O,O',O''- (vinylsilylidyne)trioxime 2224-33-1	LOAEL=40 mg/kg	oral: gavage	13 w5 d/week	rat	EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)

**Section 12. Ecological information**

**General ecological information:**

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

**Toxicity:**

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Butan-2-one O,O',O''-(methylsilylidyne)trioxime 22984-54-9	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''-(methylsilylidyne)trioxime 22984-54-9	EC50	> 750 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Butan-2-one O,O',O''-(methylsilylidyne)trioxime 22984-54-9	EC50	94 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Butan-2-one O,O',O''-(methylsilylidyne)trioxime 22984-54-9	NOEC	30 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Butan-2-one O,O',O''-(methylsilylidyne)trioxime 22984-54-9	EC50	> 1,000 mg/l	Bacteria	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
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: Pseudokirchneriella 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: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
N-(3-(Trimethoxysilyl)propyl)ethyl enediamine 1760-24-3	LC50	168 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
N-(3-(Trimethoxysilyl)propyl)ethyl enediamine 1760-24-3	EC50	87.4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
N-(3-(Trimethoxysilyl)propyl)ethyl enediamine 1760-24-3	EC50	8.8 mg/l	Algae	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
N-(3-(Trimethoxysilyl)propyl)ethyl enediamine 1760-24-3	NOEC	3.1 mg/l	Algae	96 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
N-(3-(Trimethoxysilyl)propyl)ethyl enediamine 1760-24-3	EC 50	435 mg/l	Bacteria	3 h		OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

**Persistence and degradability:**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
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Butan-2-one O,O',O''-(methylsilylidyne)trioxime 22984-54-9	not readily biodegradable.	aerobic	26 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
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))
N-(3-(Trimethoxysilyl)propyl)ethyl enediamine 1760-24-3		aerobic	50 %	OECD Guideline 301 A (new version) (Ready Biodegradability: DOC Die Away Test)

**Bioaccumulative potential / Mobility in soil:**

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
N-(3-(Trimethoxysilyl)propyl)ethyl enediamine 1760-24-3	-1.67					not specified

**Section 13. Disposal considerations**

**Waste disposal of product:** Follow all local, state, federal and provincial regulations for disposal.

**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****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).

**Marine transport IMDG:**

Not dangerous goods

**Air transport IATA:**

Not dangerous goods

**Section 15. Regulatory information**

**SUSMP Poisons Schedule** None

**AIC:** All components are listed or are exempt from listing on the Australian Inventory of Chemical Substances (AICIS).



## Section 16. Other information

**Abbreviations/acronyms:** ADGC - Australian Dangerous Goods Code  
GHS: Globally Harmonized System  
CAS: Chemical Abstracts Service  
OECD: Organization for Economic Cooperation and Development  
LD 50: Lethal Dose 50%  
LC 50: Lethal Concentration 50%  
IMDG: International Maritime Dangerous Goods code  
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations  
AIIC - Australian Inventory of Industrial Chemicals (AIIC)  
AICIS - Australian Industrial Chemicals Introduction Scheme

**Reason for issue:** Reviewed SDS. Reissued with new date. involved chapters: 2,14,16

**Date of previous issue:** 21.09.2020

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