

Not applicable	
<b>SECTION 3: Composition/Int</b>	formation on ingredients
3.1. Substances	
Substance type	: Polymer
Name	: VINYL TERMINATED POLYDIMETHYLSILOXANE
CAS-No.	: 68083-19-2

2.4

Unknown acute toxicity (GHS US)

Safety Data Sheet

Name		Product identifier	%	GHS US classification
Vinyl terminated polydimethylsiloxane		(CAS-No.) 68083-19-2	95 – 100	Not classified
Octamethylcyclotetrasiloxane		(CAS-No.) 556-67-2	0.1 – 2	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 4, H413
Full text of hazard classes and H-statements	: see section 16			
3.2. Mixtures				
Not applicable				
SECTION 4: First-aid measures				
I.1. Description of first aid measures				
First-aid measures general		ately (show the label whe		nt or if you feel unwell, seek . If possible show this sheet; if no
First-aid measures after inhalation	: Remove victim to fresh unwell, seek medical ad		position corr	fortable for breathing. If you feel
First-aid measures after skin contact	: Wash with plenty of soa	ap and water. Get medica	al advice/atte	ention.
First-aid measures after eye contact		thoroughly with water for . Continue rinsing. Get m		minutes. Remove contact lenses e/attention.
First-aid measures after ingestion	: Never give anything by	mouth to an unconscious	s person. Ge	et medical advice/attention.
4.2. Most important symptoms and e				
Symptoms/effects	: Suspected of damaging			
Symptoms/effects after inhalation	: No information available			
Symptoms/effects after skin contact	: May cause skin irritation			
Symptoms/effects after eye contact	: May cause eye irritation			
Symptoms/effects after ingestion	: May be harmful if swall	owed.		
I.3. Immediate medical attention and	special treatment, if necessa	ary		
No additional information available				
SECTION 5: Fire-fighting measure	S			
5.1. Suitable (and unsuitable) extingu	iishing media			
Suitable extinguishing media	: Water spray. Water fog	. Foam. Carbon dioxide.	Dry chemica	al.
Unsuitable extinguishing media	: None known.			
5.2. Specific hazards arising from the	chemical			
Fire hazard	: Irritating fumes and orgatemperatures or open fl		velop when i	material is exposed to elevated
5.3. Special protective equipment and	d precautions for fire-fighters	5		
Firefighting instructions	: Exercise caution when containers.	fighting any chemical fire	. Use water	spray or fog for cooling exposed
Protection during firefighting		rithout proper protective e contact and do not breath		ncluding respiratory protection. mist.
SECTION 6: Accidental release m	easures			
6.1. Personal precautions, protective		procedures		
6.1.1. For non-emergency personnel				
Protective equipment	: Wear protective equipm	nent as described in Sect	ion 8.	
Emergency procedures	: Evacuate unnecessary			
6.1.2. For emergency responders				
6.1.2. For emergency responders Protective equipment	· Do not attempt to take	action without suitable pr	ntective equ	ipment. Equip cleanup crew with
				Exposure controls/personal
6.2. Environmental precautions				
Prevent entry to sewers and public waters. N	otify authorities if liquid enters s	sewers or public waters.		
6.3. Methods and material for contain	ment and cleaning up			
For containment	: Contain any spills with o streams.	dikes or absorbents to pro	event migrat	ion and entry into sewers or
Methods for cleaning up	: Clean up any spills as s	soon as possible, using a	n absorbent	material to collect it.

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<b>SECTION 7: Handling and</b>	storage		
7.1. Precautions for safe ha			
Precautions for safe handling	: Avoid all eye and	skin contact and do not breathe vapor and mist. Spillage of th	nis material may
		condition for foot or vehicle traffic.	
Hygiene measures		ed clothing before reuse. Wash hands and other exposed are fore eating, drinking or smoking and when leaving work.	as with mild
7.2. Conditions for safe stor	rage, including any incompatibilit		
Storage conditions	: Keep container tig		
Incompatible materials		s. Oxidizing agent. Precious metals.	
Storage area		ntilated place. Store away from heat.	
SECTION 8: Exposure con	trols/personal protection		
8.1. Control parameters			
Octamethylcyclotetrasiloxane (			
AIHA	/EEL TWA [ppm]	10 ppm	
0.0 Annomisto engineerin	n controlo		
8.2. Appropriate engineering Appropriate engineering controls		suptor general room ventilation	
Appropriate engineering controls		aust or general room ventilation.	
8.3. Individual protection me	easures/Personal protective equi	pment	
Personal protective equipment:			
Avoid all unnecessary exposure. Er exposure.	mergency eye wash fountains and s	afety showers should be available in the immediate vicinity c	of any potential
Hand protection:			
Neoprene or nitrile rubber gloves			
Eye protection:			
Chemical goggles. Contact lenses	should not be worn		
Skin and body protection:			
Wear suitable protective clothing			
Respiratory protection:			
Where exposure through inhalation cartridge) respirator.	may occur from use, respiratory pr	otection equipment is recommended. NIOSH-certified organi	c vapor (black
	umhal/a);		
Personal protective equipment s	ymbol(s):		
SECTION 9: Physical and o			
	hysical and chemical properties		
Physical state	: Liquid		
Appearance	: Clear liquid. Visco	us.	
Molecular mass	: 72000 g/mol		
Color	: No data available		
Odor	: No data available		
Odor threshold	: No data available		
Refractive index	: No data available : No data available		
pH Relative eveneration rate (butyl acc			
Relative evaporation rate (butyl ace	etate=1) : No data available : <-60 °C		
Melting point	: < -60 °C : No data available		
Freezing point	: No data available : > 205 °C		
Boiling point	: > 205 °C : > 110 °C		
Flash point Auto-ignition temperature	: No data available		
			- IF
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Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.98
% Volatiles	: <3%
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Partition coefficient n-octanol/water (Log Kow)	: No data available
Viscosity, kinematic	: 20000 cSt
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

9.2. Other information

No additional information available

SECT	ION 10: Stability and reactivity	
10.1.	Reactivity	
No add	itional information available	
10.2.	Chemical stability	
Stable	n sealed containers stored under a dry inert a	tmosphere.
10.3.	Possibility of hazardous reactions	
No add	itional information available	
10.4.	Conditions to avoid	
Heat. C	pen flame. Sparks.	
10.5.	Incompatible materials	
Alkalis.	Metal salts. Oxidizing agent. Precious metals.	
10.6.	Hazardous decomposition products	
Formal	dehyde. Organic acid vapors. Silicon dioxide.	
SECT	ION 11: Toxicological information	
11.1.	Information on toxicological effects	
Acute t	oxicity (oral) : N	Not classified
Acute t	oxicity (dermal)	Not classified
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Acute toxicity (inhalation)	: Not classified

Vinyl terminated polydimethylsilox	ne
LD50 oral rat	> 16 ml/kg
LD50 dermal rabbit	> 16 ml/kg
Octamethylcyclotetrasiloxane (556	67-2)
LD50 oral rat	> 4800 mg/kg
LD50 dermal rat	> 2375 mg/kg
LC50 Inhalation - Rat	36 g/m <sup>3</sup> (Exposure time: 4 h)
ATE US (vapors)	36 mg/l/4h
ATE US (dust, mist)	36 mg/l/4h

RC, NTP,
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STOT reported eveneoure	: Not classified	
STOT-repeated exposure		
Aspiration hazard	: Not classified	
Symptoms/effects after inhalation	: No information available. : May cause skin irritation.	
Symptoms/effects after skin contact Symptoms/effects after eye contact	: May cause eye irritation.	
Symptoms/effects after ingestion	: May be harmful if swallowed.	
SECTION 12: Ecological information		
12.1. Toxicity		
Octamethylcyclotetrasiloxane (556-67-2)		
LC50 - Fish [1]	> 500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)	
LC50 - Fish [2]	> 1000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)	
12.2. Persistence and degradability		
No additional information available		
12.3. Bioaccumulative potential		
Octamethylcyclotetrasiloxane (556-67-2)		
BCF - Fish [1]	12400	
Partition coefficient n-octanol/water (Log Pow)	5.1	
12.4. Mobility in soil		
No additional information available		
12.5. Other adverse effects		
Effect on the ozone layer	: No additional information available	
SECTION 13: Disposal consideration		
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13.1. Disposal methods		
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#### 15.2. International regulations

#### CANADA

#### Vinyl terminated polydimethylsiloxane

Listed on the Canadian DSL (Domestic Substances List)

#### Octamethylcyclotetrasiloxane (556-67-2)

Listed on the Canadian DSL (Domestic Substances List)

#### **EU-Regulations**

#### Octamethylcyclotetrasiloxane (556-67-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### **National regulations**

#### Vinyl terminated polydimethylsiloxane

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on TECI (Thailand Existing Chemicals Inventory)

Octamethylcyclotetrasiloxane (556-67-2)	Octameth	vlcvcl	lotetrasiloxane	(556-67-2)
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Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on CICR (Turkish Inventory and Control of Chemicals)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the NCI (Vietnam - National Chemical Inventory)

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

### SECTION 16: Other information

H226	Flammable liquid and vapor
H361	Suspected of damaging fertility or the unborn child
H413	May cause long lasting harmful effects to aquatic life
Abbreviations and acronyms	: Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration for Economic Co-operation

#### Hazard Rating Health

: 1 Slight Hazard - Irritation or minor reversible injury possible

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Flammability	: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Prepared by safety and environmental affairs.

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SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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