

2.3. Hazards not otherwise classified (HNOC)

### No additional information available

2.4. Unknown acute toxicity (GHS US)

3.1. Substances				
Substance type	: Multi-constituent			
Name	: 1,1,3,3,5,5,7,7-OCTA	METHYLTETRASILOXAN	E, 80% in	octamethylcyclotetrasiloxane
CAS-No.	: 1000-05-1			
Name		Product identifier	%	GHS US classification
1,1,3,3,5,5,7,7-Octamethyltetrasiloxane		(CAS-No.) 1000-05-1	> 80	Flam. Lig. 3, H226
Octamethylcyclotetrasiloxane		(CAS-No.) 556-67-2	< 20	Flam. Liq. 3, H226
				Repr. 2, H361 Aquatic Chronic 4, H413
Full text of hazard classes and H-statements	s : see section 16	·	•	<u>.</u>
3.2. Mixtures				
Not applicable				
SECTION 4: First-aid measures				
.1. Description of first aid measure	S			
irst-aid measures general		diately (show the label whe		dent or if you feel unwell, seek e). If possible show this sheet; if no
First-aid measures after inhalation	: Remove victim to free unwell, seek medical		position co	mfortable for breathing. If you feel
First-aid measures after skin contact	: Wash with plenty of s	soap and water.		
irst-aid measures after eye contact		es thoroughly with water for do. Continue rinsing. Get m		5 minutes. Remove contact lenses, ice/attention.
irst-aid measures after ingestion	: Never give anything b	by mouth to an unconsciou	s person. (	Get medical advice/attention.
.2. Most important symptoms and e	effects (acute and delayed)			
symptoms/effects	: Suspected of damagi	ing fertility or the unborn ch	ild.	
symptoms/effects after inhalation	: May cause irritation to Nausea.	o the respiratory tract. Ove	rexposure	may cause: Coughing. Headache.
symptoms/effects after skin contact	: May cause skin irritat	tion.		
symptoms/effects after eye contact	: May cause eye irritat	ion.		
Symptoms/effects after ingestion	: May be harmful if swa	allowed.		
I.3. Immediate medical attention and	d special treatment, if neces	sarv		
No additional information available				
SECTION 5: Fire-fighting measur	es			
5.1. Suitable (and unsuitable) exting	uishing media			
Suitable extinguishing media	: Water spray. Foam. (	Carbon dioxide. Dry chemic	al.	
Insuitable extinguishing media	: None known.			
5.2. Specific hazards arising from th	e chemical			
Fire hazard		d vapor. Irritating fumes and o elevated temperatures or		cid vapors may develop when e.
5.3. Special protective equipment ar	nd precautions for fire-fighte	ers		
Firefighting instructions	: Use water spray to co	ool exposed surfaces. Exer	cise cautio	n when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area		equipment	including respiratory protection.
SECTION 6: Accidental release m	easures			
6.1. Personal precautions, protective		v procedures		
General measures		rces. Use special care to av	oid static	electric charges.
5.1.1. For non-emergency personnel				
Protective equipment	: Wear protective equi	pment as described in Sect	ion 8.	
Emergency procedures	: Evacuate unnecessa		-	
5.1.2. For emergency responders	_			
Protective equipment				uipment. Equip cleanup crew with : "Exposure controls/personal

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6.2.	Environmental precautions						
Preven	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.						
6.3.	Methods and material for contain	ent and cleaning up					
For cor	ntainment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.					
Method	ls for cleaning up	: Clean up any spills as soon as possible, using an absorbent material to collect it. Use only sparking tools.					
6.4.	Reference to other sections						
See He	eading 8. Exposure controls and perso	protection.					
SECT	ION 7: Handling and storage						
7.1.	Precautions for safe handling						
Additional hazards when processed		: Keep away from heat, open flames, sparks No smoking.					
Precau	tions for safe handling	: Avoid all eye and skin contact and do not breathe vapor and mist. Provide good ventilation process area to prevent accumulation of vapors. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Use only non-sparking tools.					
Hygien	e measures	: Wash contaminated clothing before reuse. Wash hands and other exposed areas with mile soap and water before eating, drinking or smoking and when leaving work.					
7.2.	Conditions for safe storage, incl	ng any incompatibilities					
Technie	cal measures	: Use explosion-proof electrical/ventilating/lighting equipment.					
Storage	e conditions	: Keep container tightly closed. Store locked up. Keep in a cool place.					
Incomp	atible materials	: Alkalis. Metal salts. Oxidizing agent. Precious metals.					
Storage area		: Store in a well-ventilated place. Store away from heat.					

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Octarr	nethylcyclotetrasiloxar	ne (556-67-2)		
AIHA		WEEL TWA [ppm]	10 ppm	
8.2.	Appropriate enginee	ring controls		

Appropriate engineering controls

: Provide local exhaust or general room ventilation.

8.3. Individual protection measures/Personal protective equipment

### Personal protective equipment:

Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

### 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 may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator.

SECTION 9: Physical and chemical properties				
9.1. Information on basic physical and chemical properties				
Physical state	: Liquid			
Appearance	: Clear liquid.			
Molecular mass	: 282.63 g/mol			
Color	: No data available			
Odor	: Odorless.			

Odor threshold	: No data available				
Refractive index	: 1.3875				
pH	: No data available				
Relative evaporation rate (butyl acetate=1)	: ~1				
Melting point	: No data available				
Freezing point	: <0°C				
Boiling point	: 169 – 170 °C				
Flash point	: 52 °C				
Auto-ignition temperature	: No data available				
Decomposition temperature	: No data available				
Flammability	: Flammable liquid and vapor				
Vapor pressure	: 2 mm Hg @ 25°C				
Relative vapor density at 20 °C	: >1				
Relative density	: 0.863				
% Volatiles	: 100 %				
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	: No data available				
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					
SECTION 10: Stability and reactivity					
10.1. Reactivity					
No additional information available					
10.2. Chemical stability   Stable in sealed containers stored under a dry ine	art atmosphere				
	at atmosphere.				
10.3. Possibility of hazardous reactions					
I he product can generate small amounts of hydro metal salts such as aluminum chloride or precious	ogen when exposed to alkalis and protic materials such as water and alcohol in combination with				
•					
10.4.Conditions to avoidHeat. Open flame. Sparks.					
10.5. Incompatible materials					
Alkalis. Metal salts. Oxidizing agent. Precious me	Tais.				
10.6. Hazardous decomposition products					
Hydrogen. Formaldehyde. Carbon monoxide. Org	anic acid vapors. Silicon dioxide.				
<b>SECTION 11: Toxicological informati</b>	on				
11.1. Information on toxicological effects					
Acute toxicity (oral)	: Not classified				
Acute toxicity (dermal)	: Not classified				
Acute toxicity (inhalation)	: Not classified				
Octamethylcyclotetrasiloxane (556-67-2)	4000 m s// m				
LD50 oral rat LD50 dermal rat	> 4800 mg/kg				
LD50 dermai rat LC50 Inhalation - Rat	> 2375 mg/kg 36 g/m³ (Exposure time: 4 h)				
ATE US (vapors) 36 mg/l/4h					
ATE US (dust, mist)					

Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
	None of the components in this product at concentrations >0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract. Overexposure may cause: Coughing. Headache. Nausea.
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 swallowed.

### **SECTION 12: Ecological information**

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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)				
2.2. Persistence and degradability					
lo additional information available					
2.3. Bioaccumulative potential					
Octamethylcyclotetrasiloxane (556-67-2)					
BCF - Fish [1]	12400				
Partition coefficient n-octanol/water (Log Pow)	5.1				
2.4. Mobility in soil					
lo additional information available					
2.5. Other adverse effects					
Other adverse effects	: This substance may be hazardous to the environment.				
ffect on the ozone layer	: No additional information available				
ECTION 13: Disposal consideration	S				
3.1. Disposal methods					
sewage disposal recommendations	: Do not dispose of waste into sewer.				
roduct/Packaging disposal recommendations	: May be incinerated. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility				
dditional information	: Handle empty containers with care because residual vapors are flammable.				
cology - waste materials	: Avoid release to the environment.				
SECTION 14: Transport information					
4.1. UN number					
IN-No.(DOT)	: 1993				
OT NA No	UN1993				
4.2. UN proper shipping name					
ransport document description (DOT)	: UN1993 Flammable liquids, n.o.s. (1,1,3,3,5,5,7,7-OCTAMETHYLTETRASILOXANE, 80% in octamethylcyclotetrasiloxane), 3, III				
roper Shipping Name (DOT)	: Flammable liquids, n.o.s.				
	(1,1,3,3,5,5,7,7-OCTAMETHYLTETRASILOXANE, 80% in octamethylcyclotetrasiloxane)				
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120				
Print date: 07/22/2022	EN (English US) SDS ID: <b>SIO6702.0</b> 5				

Packing group (DOT)	:	III - Minor D	Danger			
Hazard labels (DOT)	:	3 - Flamma	ble liquid			
		FLAMMABLE LIQUED				
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	203				
DOT Packaging Bulk (49 CFR 173.xxx)	:	242				
DOT Packaging Exceptions (49 CFR 173.xxx)	:	150				
DOT Symbols	:	G - Identifie	es PSN requiring	a technical name		
14.3. Additional information						
Emergency Response Guide (ERG) Number	:	128				
Other information	:	No supplen	nentary informatic	on available.		
Transport by sea						
DOT Vessel Stowage Location	:	A - The ma passenger		ved "on deck" or "u	nder deck" on a cargo	vessel and on a
Air transport						
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	60 L				
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	220 L				
SECTION 15: Regulatory information	า					
15.1. US Federal regulations						
15.1. 05 Federal Tegulations						
Commercial status of components according to t	he	United State	es Environmental	Protection Agency's	Toxic Substances Con	ntrol Act (TSCA):
	he	United State		Protection Agency's	Toxic Substances Col Commercial status	
Commercial status of components according to t	he		0.			

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### 15.2. International regulations

### CANADA

### 1,1,3,3,5,5,7,7-Octamethyltetrasiloxane (1000-05-1)

Listed on the Canadian DSL (Domestic Substances List)

### Octamethylcyclotetrasiloxane (556-67-2)

Listed on the Canadian DSL (Domestic Substances List)

### **EU-Regulations**

### 1,1,3,3,5,5,7,7-Octamethyltetrasiloxane (1000-05-1)

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

### Octamethylcyclotetrasiloxane (556-67-2)

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

### **National regulations**

### 1,1,3,3,5,5,7,7-Octamethyltetrasiloxane (1000-05-1)

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

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the TCSI (Taiwan Chemical Substance Inventory)

Listed on the NCI (Vietnam - National Chemical Inventory)

Octamethylcyclotetrasiloxane (556-67-2)						
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**

Full tex	t of H-phrases::	
	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 Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling; APF: Assigned Protection Factor.

: 2 Moderate Hazard - Temporary or minor injury may occur

## 1,1,3,3,5,5,7,7-OCTAMETHYLTETRASILOXANE, 80% in octamethylcyclotetrasiloxane

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