

Safety Data Sheet	VDT-431	
Issue date: 10/21/2014	Revision date: 08/23/2021	Version: 2.1

TRIMETHYLSILOXY TERMINATED roduct code : VDT-431 roduct form : Substance hysical state : Liquid ynonyms : VINYLMETHYLSILOXANE COPOLYMER; VINY DIMETHYLMETHYLUSILOXANE hemical family : ORGANOSILOXANE 2. Recommended use and restrictions on use ecommended use : Chemical intermediate 3. Supplier ELEST, INC. I East Steel Road roting delet.com - www.delest.com 4. Emergency telephone number mergency number : CHEMTREC: 1-800-424-9300 (USA); +1 703-52 ECTION 2: Hazard(s) identification 1 1. Classification ot classified	huct name : (4.0-5.0% VINYLMETHYLSILOXANE)-DIMETHYLSILOXANE TRIMETHYLSILOXY TERMINATED huct code : VDT-431 huct form : Substance sical state : Liquid onyms : VINYLMETHYLSILOXANE COPOLYMER; VINYLDIMETHICC DIMETHYLMETHYLSILOXANE COPOLYMER; VINYLDIMETHICC DIMETHYLMETHYLVINYLSILOXANE : Recommended use and restrictions on use commended use : Chemical intermediate Supplier EST, INC. cast Steel Road risville, PA 19067 S-547-1015 - F 215-547-2484 - (M-F); 8:00 AM - 5:30 PM EST @gelest.com : www.gelest.com Emergency telephone number regency telephone number regency telephone number CTION 2: Hazard(S) identification Classification classified GHS Label elements, including precautionary statements S US classification classified GHS Label elements, including precautionary statements S US classification classified (HNOC) Unknown acute toxicity (GHS US) CTION 3: Composition/Information on ingredients Stubstances stance type : Polymer re : (4.0-5.0% VINYLMETHYLSILOXANE)-DIMETHYLSILOXANE) TRIMETHYLSILOXY TERMINATED No. : 67762-94-1 me : (4.0-5.0% VINYLMETHYLSILOXANE)-DIMETHYLSILOXANE (CAS+ke) 85762-94-1 95-100 Lamethylcyclotetrasiloxane (CAS+ke) 556-67-2 0-2 1	
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JII TEXT OF NAZARO CLASSES AND H-STATEMENTS : SEE SECTION 16		

Not applicable

SECTION 4: First-aid measures			
4.1. Description of first aid measures			
First-aid measures general		ing and shoes. In case of accident or if you feel unwell, so (show the label where possible). If possible show this sho label.	
First-aid measures after inhalation	: Remove victim to fresh air a unwell, seek medical advice	nd keep at rest in a position comfortable for breathing. If y	you feel
First-aid measures after skin contact	: Wash with plenty of soap ar	d water. Get medical advice/attention.	
First-aid measures after eye contact		bughly with water for at least 15 minutes. Remove contact tinue rinsing. Get medical advice/attention.	t lenses, if
First-aid measures after ingestion		th to an unconscious person. Get medical advice/attention	n.
4.2. Most important symptoms and effect			
Symptoms/effects after inhalation	: May be harmful if inhaled.		
Symptoms/effects after skin contact	: May cause mild skin irritatio		
Symptoms/effects after eye contact	: May cause mild eye irritation		
Symptoms/effects after ingestion	: May be harmful if swallowed		
4.3. Immediate medical attention and sp	ecial treatment, if necessary		
No additional information available			
SECTION 5: Fire-fighting measures			
5.1. Suitable (and unsuitable) extinguisl	ning media		
Suitable extinguishing media	: Water spray. Water fog. Foa	m. Carbon dioxide. Dry chemical.	
Unsuitable extinguishing media	: None known.		
5.2. Specific hazards arising from the cl	nemical		
Fire hazard		acid vapors may develop when material is exposed to ele	evated
5.3. Special protective equipment and p	recautions for fire-fighters		
Firefighting instructions		ng any chemical fire. Use water spray or fog for cooling e	exposed
	containers.	ing any chemical life. Ose water spray of log for cooling e	Aposeu
Protection during firefighting		t proper protective equipment, including respiratory prote ct and do not breathe vapor and mist.	ction.
SECTION 6: Accidental release mea	sures		
6.1. Personal precautions, protective eq	uipment and emergency proc	edures	
6.1.1. For non-emergency personnel			
Protective equipment	: Wear protective equipment	as described in Section 8	
Emergency procedures	: Evacuate unnecessary pers		
	. Evaluate annocoodary pore		
6.1.2. For emergency responders Protective equipment		n without suitable protective equipment. Equip cleanup cr r information refer to section 8: "Exposure controls/perso	
	protection".		
6.2. Environmental precautions			
Prevent entry to sewers and public waters. Notif	y authorities if liquid enters sewe	rs or public waters.	
6.3. Methods and material for containme	ent and cleaning up		
For containment	: Contain any spills with dikes streams.	or absorbents to prevent migration and entry into sewers	s or
Methods for cleaning up	: Clean up any spills as soon	as possible, using an absorbent material to collect it.	
6.4. Reference to other sections			
See Heading 8. Exposure controls and personal	protection.		
SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling	: Avoid all eye and skin conta areas.	ct and do not breathe vapor and mist. Use only in well ve	ntilated
Hygiene measures	: Wash contaminated clothing	before reuse. Wash hands and other exposed areas with g, drinking or smoking and when leaving work.	h mild
7.2. Conditions for safe storage, includi	•		
Storage conditions	: Keep container tightly close	4	
Incompatible materials	: Oxidizing agent.	a.	
		CDC ID. VDT 424	0/0
Print date: 08/27/2021	EN (English US)	SDS ID: VDT-431	2/6

Storage area

: Store in a well-ventilated place. Store away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ſ	Octamethylcyclotetrasiloxan	e (556-67-2)	
	AIHA	WEEL TWA [ppm]	10 ppm

8.2. Appropriate engineering 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:

OFOTIO

Safety glasses. 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	: 28000 g/mol			
Color	: No data available			
Odor	: No data available			
Odor threshold	: No data available			
Refractive index	: No data available			
рН	: No data available			
Relative evaporation rate (butyl acetate=1)	: No data available			
Melting point	: No data available			
Freezing point	: No data available			
Boiling point	: > 205 °C			
Flash point	: 205 °C			
Auto-ignition temperature	: No data available			
Decomposition temperature	: No data available			
Flammability (solid, gas)	: Non flammable.			
Vapor pressure	: No data available			
Relative vapor density at 20 °C	: No data available			
Relative density	: 0.97			
% Volatiles	: <5%			
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	: 800 – 1200 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	
9.2. Other Information	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Stable.	
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
No additional information available	
10.5. Incompatible materials	
Oxidizing agent.	
10.6. Hazardous decomposition products Organic acid vapors. Silicon dioxide.	
SECTION 11: Toxicological information	on and a second s
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)	
LD50 oral rat	1540 mg/kg RTECS Number: GZ4397000
LD50 dermal rat	1770 mg/kg
LD50 dermal rabbit	794 µl/kg
LC50 Inhalation - Rat	36 g/m ³ (Exposure time: 4 h)
ATE US (oral)	1540 mg/kg body weight
ATE US (dermal) ATE US (vapors)	794 mg/kg body weight 36 mg/l/4h
ATE US (dust, mist)	36 mg/l/4h
Skin corrosion/irritation	: Not classified
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.
Depreductive toxic't	. Net closefied
Reproductive toxicity	: Not classified.
	The classification is based on reproductive studies in animals. Octamethylcyclotetrasiloxane: Rat TDLo (Inhalation) 500 ppm, male 70 days and 70 days prior
	to mating - 3 weeks after birth prior to mating. Toxic Effects: Effects on Newborn - Live birth
	index.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: May be harmful if inhaled.
Symptoms/effects after skin contact	: May cause mild skin irritation.
Symptoms/effects after eye contact	: May cause mild eye irritation.
Symptoms/effects after ingestion	: May be harmful if swallowed.
SECTION 42. Ecological information	
SECTION 12: Ecological information	
12.1. Toxicity	
Octomothylayalatatracilayana (EE6 67 2)	

Octamethylcyclotetrasiloxane (556-67-2)			
LC50 - Fish [1]	> 500 mg/l (Exposure time: 9	6 h - Species: Brachydanio rerio)	
Print date: 08/27/2021	EN (English US)	SDS ID: VDT-431	4/

Octamethylcyclotetrasiloxane (556-67-2)	
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 considerations	
13.1. Disposal methods	
Sewage disposal recommendations	Do not dispose of waste into sewer.
	: Incinerate. Dispose in a safe manner in accordance with local/national regulations. : Avoid release to the environment.
SECTION 14: Transport information	
14.1. UN number	
Not regulated for transport.	
14.2. UN proper shipping name	
14.3. Additional information	
	No supplementary information available.
Transport by sea	
Air transport	
SECTION 15: Regulatory information	
15.1. US Federal regulations	
Octamethylcyclotetrasiloxane (556-67-2)	
Listed on the United States TSCA (Toxic Substan	nces Control Act) inventory
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a final TSCA section 4 test rule.
Dimethylmethylvinylsiloxane (67762-94-1)	
Listed on the United States TSCA (Toxic Substar	nces Control Act) inventory
, , , , , , , , , , , , , , , , , , ,	
15.2. International regulations	
CANADA	
Octamethylcyclotetrasiloxane (556-67-2)	
Listed on the Canadian DSL (Domestic Substance	zes List)
Dimethylmethylvinylsiloxane (67762-94-1)	
Listed on the Canadian DSL (Domestic Substand	
EU-Regulations	
Octamethylcyclotetrasiloxane (556-67-2)	
Listed on the EEC inventory EINECS (European	Inventory of Existing Commercial Chemical Substances)

imethylmethylvinylsiloxane (67762-94-1)
isted on ELINCS (European List of Notified Chemical Substances)
tional regulations
octamethylcyclotetrasiloxane (556-67-2)
isted introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) isted on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) isted on the Japanese ENCS (Existing & New Chemical Substances) inventory isted on KECL/KECI (Korean Existing Chemicals Inventory) isted on NZIoC (New Zealand Inventory of Chemicals) isted on PICCS (Philippines Inventory of Chemicals and Chemical Substances) isted on INSQ (Mexican National Inventory of Chemical Substances) isted on CICR (Turkish Inventory and Control of Chemicals)
vimethylmethylvinylsiloxane (67762-94-1)
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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 text of H-phrases::		
H226		Flammable liquid and vapor
H302		Harmful if swallowed
H311		Toxic in contact with skin
H320		Causes eye irritation
H361		Suspected of damaging fertility or the unborn child
H413		May cause long lasting harmful effects to aquatic life
Abbreviations and acronyms	Concentration; ATE: Acu millimeters Hg, torr; PEL threshold limit value; TG Health; IARC: Internation Program; HMIS: Hazardo Registration Number; EC European Commission In	Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal the Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: : permissible exposure level; TWA: time weighted average; TLV: : Test Guideline; NIOSH: National Institute for Occupational Safety and hal Agency for Research on Cancer; NTP: National Toxicology ous Material Information System; CAS No.: Chemcial Abstract Service C No.: European Commission Registration Number; EC Index No.: hdex Number; OECD: The Organisation for Economic Co-operation The Globally Harmonized System of Classification and Labelling; n Factor.
Hazard Rating		
Health	: 1 Slight Hazard - Irritatio	n or minor reversible injury possible
Flammability		als that must be preheated before ignition will occur. Includes liquids, aving a flash point above 200 F. (Class IIIB)

Physical

O 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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15500 0010. 10/21/2014	100/20/2021	V 0131011. Z. 1

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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