

Safety Data Sheet DMS-S42 Date of issue: 10/27/2014 Revisio Revision date: 10/23/2015

Version: 2.0

Product form :: Substance Physical state : Liquid Substance name :: SiLANOL TERMINATED POLYDIMETHYLSILOXANE Product code : DMS-S42 Synonyms :: HYDROXY TERMINATED POLYDIMETHYLSILOXANE Product code : DMS-S42 Synonyms :: HYDROXY TERMINATED POLYDIMETHYLSILOXANE Demical family : ORGANOSILOXANE 12. Relevant identified uses of the substance or mixture and uses advised against				
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111 East Skeel Road Vorrisville, PA 19067 USA T215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:30 PM EST ind/82 delest.com - www.delest.com 14. Emergency telephone number Emergency number : CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International) SECTION 2: Hazards identification SECTION 2: Hazards identification SHS-US classification Not classified 2.1. Classification Not classified SHS-US classification Not classified Section 3: Composition of the substance or mixture SHS-US labeling No labeling applicable 2.3. Other hazards No additional information available 2.4. Unknown acute toxicity (GHS US) No data available SECTION 3: Composition/Information on ingredients 3.1. Stubstance Substance type : Polymer Name : SILANOL TERMINATED POLYDIMETHYLSILOXANE CAS No : 70131-67-8 Name (CAS No) 70131-67-8 Nat classified Octamethyloyclotetrasiloxane (CAS No) 70131-67-8 Nat classified Octamethyloyclotetrasiloxane (CAS No) 70131-67-8 Substance (CAS No) 70131-67-8 Nat classified Nat	1.3. Details of the supplier of the safety data she	et		
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Octamethylcyclotetrasiloxane (CAS No) 556-67-2 < 3	Name	Product identifier	%	GHS-US classification
Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Irrit. 2B, H320				
	Octamethylcyclotetrasiloxane	(CAS No) 556-67-2	< 3	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312
3.2. Mixture	3.2. Mixture			
Not applicable	Not applicable			

SECTION 4: First aid measures			
4.1. Description of first aid measures			
First-aid measures general		ng and shoes. In case of accident or if you feel ur show the label where possible). If possible show label.	'
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you fee unwell, seek medical advice.		ning. If you feel
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First-aid measures after skin contact	: Wash with plenty of soap and water. Get medical advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Get medical advice/attention.
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Get medical advice/attention.
4.2. Most important symptoms and effect	s, both acute and delayed
Symptoms/injuries after inhalation	: May be harmful if inhaled.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: May cause eye irritation.
Symptoms/injuries after ingestion	: No information available.
4.3. Indication of any immediate medical	attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.
Unsuitable extinguishing media	: None known.
5.2. Special hazards arising from the sub	stance or mixture
Fire hazard	: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.
SECTION 6: Accidental release meas	ures
6.1. Personal precautions, protective equ	
6.1.1. For non-emergency personnel	
Protective equipment	: Wear protective equipment as described in Section 8.
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Notify	authorities if liquid enters sewers or public waters.
6.3. Methods and material for containmer	at and cleaning up
For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.
6.4. Reference to other sections	
See Heading 8. Exposure controls and personal p	rotection.
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid all eye and skin contact and do not breathe vapor and mist. Spillage of this material may create a slippery condition for foot or vehicle traffic. Use only in well ventilated areas.
Hygiene measures	: Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2. Conditions for safe storage, including	g any incompatibilities
Storage conditions	: Keep container tightly closed.
Incompatible materials	: Oxidizing agent.
Storage area	: Store in a well-ventilated place. Store away from heat.
7.3. Specific end use(s)	
No additional information available	

No additional information available

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SECTION 8: Exposure controls/per	sonal protection
3.1. Control parameters	
No additional information available	
3.2. Exposure controls	
Appropriate engineering controls	: Provide local exhaust or general room ventilation.
Personal protective equipment	: Emergency eye wash fountains and safety showers should be available in the immediate
	vicinity of any potential exposure. Avoid all unnecessary 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	: 70000 - 80000 g/mol
Color	: No data available
Ddor	: Mild menthol-like aroma.
Ddor threshold	: No data available
Refractive index	: 1.403
ЪН	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: < -60 °C
Freezing point	: No data available
Boiling point	: > 205 °C
Flash point	: 205 °C
Auto-ignition temperature	: 490 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
/apor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.98
/OC content	: <3%
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
/iscosity, kinematic	: 18000 cSt
/iscosity, dynamic	: No data available
Explosive properties	: No data available
Dxidizing properties	: No data available
Explosion limits	: No data available
0.2. Other information	
No additional information available	
SECTION 10: Stability and reactivit	V
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
Stable.	
10.3. Possibility of hazardous reactions	
la additional information available	
No additional information available	
10.4. Conditions to avoid	

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10.5. Incompatible materials			
Oxidizing agent.			
10.6. Hazardous decomposition products			
Formaldehyde. Organic acid vapors. Silicon dioxic	le.		
SECTION 11: Toxicological information			
11.1. Information on toxicological effects			
	: Not classified		
,			
Octamethylcyclotetrasiloxane (556-67-2) LD50 oral rat	1540 malka		
LD50 dermal rat	1540 mg/kg 1770 mg/kg		
LD50 dermal rabbit	794 µl/kg		
LC50 inhalation rat (mg/l)	36 g/m ³ (Exposure time: 4 h)		
ATE US (oral)	1540.000 mg/kg body weight		
ATE US (dermal)	1770.000 mg/kg body weight		
ATE US (vapors)	36.000 mg/l/4h		
ATE US (dust, mist)	36.000 mg/l/4h		
Silanol terminated polydimethylsiloxane (701			
LD50 oral rat	> 15400 mg/kg		
LD50 dermal rabbit	> 16 ml/kg		
LC50 inhalation rat (mg/l)	> 8750 mg/m ³ (Exposure time: 7 h)		
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		
Reproductive toxicity	: Not classified		
Specific target organ toxicity (single exposure)	: Not classified		
Specific target organ toxicity (repeated exposure)	: Not classified		
Aspiration hazard	: Not classified		
Symptoms/injuries after inhalation	: May be harmful if inhaled.		
Symptoms/injuries after skin contact	: May cause skin irritation.		
Symptoms/injuries after eye contact	: May cause eye irritation.		
	: No information available.		
SECTION 12: Ecological information			
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			
Octamethylcyclotetrasiloxane (556-67-2)			
Persistence and degradability	May cause long-term adverse effects in the environment.		
12.3. Bioaccumulative potential			
Octamethylcyclotetrasiloxane (556-67-2)			
BCF fish 1	12400		
Log Pow	5.1		
12.4. Mobility in soil			
No additional information available			
12.5. Other adverse effects			
Effect on ozone layer	No additional information available		
Effect on the global warming	No known ecological damage caused by this product.		

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SECTION 13: Disposa	ll considerations		
13.1. Waste treatment r	methods		
Sewage disposal recommend	dations : Do	o not dispose of waste into sewer.	
Vaste disposal recommenda	ations : Inc	cinerate. Dispose in a safe manner in accordance with local/national regulations.	
cology - waste materials	: Avo	void release to the environment.	
ECTION 14: Transpo	ort information		
4.1. UN number			
lot regulated for transport.			
4.2. UN proper shippin	ng name		
lot applicable			
••	ion		
4.3. Additional informati Other information		o supplementary information available.	
Fransport by sea			
No additional information ava	ailable		
Air transport			
No additional information ava	ailable		
SECTION 15: Regulat	ory information		
5.1. US Federal regulation	IS		
Octamethylcyclotetrasilo	xane (556-67-2)		
Listed on the United States	· · ·	Control Act) inventory	
EPA TSCA Regulatory Flag	ј Т-	- T - indicates a substance that is the subject of a Section 4 test rule under TSCA.	
Silanol terminated polydi	methylsiloxane (70131-67	7-8)	
Listed on the United States	TSCA (Toxic Substances)	Control Act) inventory	
15.2. International regulations			
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Safety Data Sheet

Octamethylcyclotetrasiloxane (556-67-2)					
No	No	No	No		
Silanol terminated pol	Silanol terminated polydimethylsiloxane (70131-67-8)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)	
No	No	No	No		
Silanol terminated polydimethylsiloxane (70131-67-8)					

SECTION 16: Other information Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Abbreviations and acronyms : 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.

Full text of H-phrases::

Acute Tox. 4 (Derma	al)	Acute toxicity (dermal) Category 4	
Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4	
Eye Irrit. 2B		Serious eye damage/eye irritation Category 2B	
Flam. Liq. 3		Flammable liquids Category 3	
H226		Flammable liquid and vapor	
H302		Harmful if swallowed	
H312		Harmful in contact with skin	
H320		Causes eye irritation	
HMIS III Rating			
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible		
Flammability	: 1 Slight Hazard		

Physical

: 1 Slight Hazard : 0 Minimal Hazard

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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