

Safety Data Sheet DMS-S35 Date of issue: 10/27/2014 Revisio Revision date: 10/23/2015

Version: 2.0

SECTION 1: Identification of the substance	mixture and of the company/unde	rtaking	
1.1. Product identifier	ten er		
Product form : Subs			
Physical state : Liqui			
	NOL TERMINATED POLYDIMETHYLSILOXA	NE	
Product code : DMS			
5	ROXY TERMINATED POLYDIMETHYLSILOX	ANE	
	ANOSILOXANE		
1.2. Relevant identified uses of the substance or			
	nical intermediate esearch and industrial use only		
1.3. Details of the supplier of the safety data she	et		
GELEST, INC. 11 East Steel Road Morrisville, PA 19067 USA T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:30 info@gelest.com - www.gelest.com	) PM EST		
1.4. Emergency telephone number			
Emergency number : CHEI	MTREC: 1-800-424-9300 (USA); +1 703-527-3	8887 (Inte	rnational)
SECTION 2: Hazards identification			
2.1. Classification of the substance or mixture			
GHS-US classification Not classified			
GHS-US labeling No labeling applicable			
2.3. Other hazards			
No additional information available			
2.4. Unknown acute toxicity (GHS US)			
No data available			
<b>SECTION 3: Composition/Information on in</b>	gredients		
3.1. Substance			
Substance type : Polyr	ner		
	NOL TERMINATED POLYDIMETHYLSILOXA	NE	
CAS No : 7013	1-67-8		
Name	Product identifier	%	GHS-US classification
Silanol terminated polydimethylsiloxane	(CAS No) 70131-67-8	> 95	Not classified
Octamethylcyclotetrasiloxane	(CAS No) 556-67-2	< 3	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Irrit. 2B, H320
3.2. Mixture			
Not applicable			

Not applicable

<b>SECTION 4: First aid measure</b>	\$		
4.1. Description of first aid meas	ures		
First-aid measures general		g and shoes. In case of accident or if you feel how the label where possible). If possible sho abel.	
First-aid measures after inhalation	: Remove victim to fresh air and unwell, seek medical advice.	d keep at rest in a position comfortable for brea	athing. 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 e	effects, 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 me	dical attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measure	es a la companya de l
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	e substance 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 m	heasures
6.1. Personal precautions, protective	e equipment and emergency procedures
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 contai	nment 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	onal protection.
SECTION 7: Handling and storag	e
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, inc	
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
8.1. Control parameters	
No additional information available	
8.2. 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	: 45000 - 55000 g/mol
Color	: No data available
Ddor	: Mild menthol-like aroma.
Odor 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.
_og Pow	: No data available
_og Kow	: No data available
/iscosity, kinematic	: 5000 cSt
viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing 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	
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 dioxi	de.
SECTION 11: Toxicological informati	on
11.1. Information on toxicological effects	••••
Acute toxicity	: Not classified
Octamethylcyclotetrasiloxane (556-67-2)	
LD50 oral rat	1540 mg/kg
LD50 dermal rat	1770 mg/kg
LD50 dermal rabbit	794 µl/kg
LC50 inhalation rat (mg/l)	36 g/m <sup>3</sup> (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 (70	131-67-8)
LD50 oral rat	> 15400 mg/kg
LD50 dermal rabbit	> 16 ml/kg
LC50 inhalation rat (mg/l)	> 8750 mg/m <sup>3</sup> (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.
Symptoms/injuries after ingestion	: No information available.
SECTION 12: Ecological information	
12.1. Toxicity	
T2.11. TOXIOLY	

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: Disposal	Considerations	
13.1. Waste treatment m	nethods	
Sewage disposal recommend	ations : Do	o not dispose of waste into sewer.
Vaste disposal recommendat	ions : Inc	cinerate. Dispose in a safe manner in accordance with local/national regulations.
cology - waste materials	: Avo	void release to the environment.
SECTION 14: Transpor	rt information	
4.1. UN number		
lot regulated for transport.		
4.2. UN proper shippin	anamo	
lot applicable	gilane	
4.3. Additional information		
Other information	: NO	o supplementary information available.
Fransport by sea		
No additional information avai	ilable	
Air transport		
No additional information avai	ilable	
SECTION 15: Regulato		
Octamethylcyclotetrasilox	· · ·	Constant Anth inventory
Listed on the United States		
EPA TSCA Regulatory Flag		- T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
Silanol terminated polydim		
Listed on the United States	TSCA (Toxic Substances (	Control Act) inventory
	· · · · · · · · · · · · · · · · · · ·	
	ns	
15.2. International regulation		
15.2. International regulation Octamethylcyclotetrasilox	ane (556-67-2)	Substances)
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#### Safety Data Sheet

Octamethylcyclotetrasiloxane (556-67-2)				
No	No	No	No	
Silanol terminated pol	ydimethylsiloxane (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 (Dermal)	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
II Rating	

Flammability Physical

irritation or minor revers igni ie injury possible

: 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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