

(CARBOXYDECYL) TERMINATED POLYDIMETHYLSILOXANE

Safety Data Sheet DMS-B25 Date of issue: 10/30/2014 Version Version: 1.0

SECTION 1: Identification of the substand	e/mixture and of the company/unde	rtaking	
1.1. Product identifier			
Product form : Su	bstance		
Physical state : Lic	uid		
Substance name : (C	ARBOXYDECYL) TERMINATED POLYDIMETH	YLSILOXA	NE
	IS-B25		
	LY(DIMETHYLSILOXANE), CARBOXYDECYL	TERMINA	TED
Chemical family : OF	GANOSILOXANE		
1.2. Relevant identified uses of the substance	or mixture and uses advised against		
	emical intermediate research use only		
1.3. Details of the supplier of the safety data s	neet		
GELEST, INC. 11 East Steel Road Morrisville, PA 19067 USA T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5: info@gelest.com - www.gelest.com	30 PM EST		
1.4. Emergency telephone number			
Emergency number : CH	EMTREC: 1-800-424-9300 (USA); +1 703-527-3	3887 (Inter	national)
SECTION 2: Hazards identification			
2.1. Classification of the substance or mixture			
Classification (GHS-US)			
Not classified			
2.2. Label elements			
GHS-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	ingreatents		
3.1. Substance	ymer		
	ymer ARBOXYDECYL) TERMINATED POLYDIMETH		
	130-04-4		
		0/	Cleasification (CUC UC)
Name (Carboxydecyl) terminated polydimethylsiloxane	Product identifier (CAS No) 58130-04-4	% > 95	Classification (GHS-US) 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			

SECTION 4: First aid measures			
4.1. Description of first aid measures			
First-aid measures general		g and shoes. In case of accident or if you feel un show the label where possible). If possible show abel.	
First-aid measures after inhalation	: Remove to fresh air and keep seek medical advice.	at rest in a position comfortable for breathing. If	you feel unwell,
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First-aid measures after skin contact	: Wash with plenty of soap and water.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if
First-aid measures after ingestion	present and easy to do. Continue rinsing. Get medical advice/attention.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	: No information available.
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.
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	ipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders Protective equipment	: Equip cleanup crew with proper protection.
	. Equip cleanup clew with proper protection.
6.2. Environmental precautions	authorition if liquid extern course or public untern
	authorities if liquid enters sewers or public waters.
6.3. Methods and material for containmer	
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.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, including	
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	
SECTION 8: Exposure controls/perso	nal 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	: Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be
	available in the immediate vicinity of any potential exposure.

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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 o	chemical properties
Physical state	: Liquid
Appearance	: Clear liquid.
Molecular mass	: 10000 g/mol
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
Refractive index	: 1.403
рН	: 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	: No data available
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	: 0.97
VOC content	: <3%
Solubility	: Insoluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 450 - 550 cSt
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive 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.	
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
Heat. Open flame. Sparks.	
10.5. Incompatible materials	
Oxidizing agent.	
10.6. Hazardous decomposition products	S
Organic acid vapors. Silicon dioxide.	
SECTION 11: Toxicological informat	tion
11.1. Information on toxicological effects	
Acute toxicity	: Not classified

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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/m³ (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
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	: No information available.
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		TOXIC	ity
0.	40	برمايرطه	

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.
SECTION 13: Disposal consideration	ons
13.1. Waste treatment methods	
Waste disposal recommendations	: Incinerate. Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	1
14.1. UN number	
Not regulated for transport.	
14.2. UN proper shipping name	
Not applicable	
14.3. Additional information	
Other information	: No supplementary information available.

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Transport by sea

No additional information available

Air transport

No additional information available

No additional information a	available			
SECTION 15: Regulation	atory information			
15.1. US Federal regulati	ons			
(CARBOXYDECYL) TEF		YLSILOXANE (58130-04-4)		
TSCA Exemption/Exclus	ion C F e 7	CAUTION: This material is suppli &D exemption under TSCA, 40 (xeemption, including supervision b 20.3(ee). The use of this materia s not permitted in the United State	CFR 720.36, and must meet the by a "technically qualified individ al for "commercial purposes" as	requirements of the ual" as defined by 40 CFR
Octamethylcyclotetrasi	loxane (556-67-2)	•		
		s Control Act) inventory		
Listed on the United States TSCA (Toxic Substances Control Act) inventory EPA TSCA Regulatory Flag T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.			rule under TSCA.	
	ted polydimethylsiloxane			
		nces Control Act) inventory		
15.2. International regula	•	, ,		
Octamethylcyclotetrasi	Ioxane (556-67-2) ralian Inventory of Chemica	al Substances)		
Listed on the Canadian DSL (Domestic Sustances List) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)				
	ted polydimethylsiloxane			
(
15.3. US State regulation	S			
(CARBOXYDECYL) TER	MINATED POLYDIMETHY	LSILOXANE(58130-04-4)		
U.S California - Proposit		No		
U.S California - Proposition 65 - Developmental No Toxicity				
U.S California - Proposit Toxicity - Female	ion 65 - Reproductive	No		
U.S California - Proposit Toxicity - Male	ion 65 - Reproductive	No		
Octamethylcyclotetrasilo	oxane (556-67-2)			
U.S California -	U.S California -	U.S California -	U.S California -	No significance risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)
No	No	No	No	
-	ed polydimethylsiloxane (
U.S California -	U.S California -	U.S California -	U.S California -	No significance risk leve
Proposition 65 -	Proposition 65 -	Proposition 65 -	Proposition 65 -	(NSRL)
Carcinogens List	Developmental Toxicity	 Reproductive Toxicity - Female 	Reproductive Toxicity - Male	
No	No	No	No	
Octamethylcyclotetrasil	oxane (556-67-2)			
U.S Maine - Chemicals o U.S Minnesota - Chemic U.S Minnesota - Chemic U.S Oregon - Priority Pe U.S Texas - Effects Scree	of High Concern als of High Concern als of High Concern - Persi rsistent Pollutant - Tier I - F	istent Bioaccumulative Toxins Persistent Pollutants		

U.S. - Texas - Effects Screening Levels - Short Term

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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 an 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

HMIS III Rating

Health Flammability Physical : 1 Slight Hazard - Irritation or minor reversible 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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