

Safety Data Sheet SIO6635.0 Date of issue: 02/18/2015 Version: 1.0

SECTION 1: Identification of the substar	colmixture and of the company/undo	rtaking	
1.1. Product identifier	ce/mixture and or the company/unde	Itaking	
	ubstance		
	quid		
,	OCTADECYLSILANE		
	106635.0		
	18H40Si		
	SILA-NONADECANE		
, , , , , , , , , , , , , , , , , , ,	RGANOSILANE		
1.2. Relevant identified uses of the substance			
Use of the substance/mixture : C	hemical intermediate or research and industrial use only		
1.3. Details of the supplier of the safety data	sheet		
GELEST, INC. 11 East Steel Road Morrisville, PA 19067 USA T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - <u>info@gelest.com</u> - <u>www.gelest.com</u>	5:30 PM EST		
1.4. Emergency telephone number			
	HEMTREC: 1-800-424-9300 (USA); +1 703-527-3	8887 (Inter	national)
SECTION 2: Hazards identification			
2.1. Classification of the substance or mixtur	a		
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 or	ingredients		
3.1. Substance			
Substance type : N	ono-constituent		
Name : n	OCTADECYLSILANE		
CAS No : 1	3623-11-5		
EC no : 2	42-453-9		
Name	Product identifier	%	Classification (GHS-US)
n-Octadecylsilane	(CAS No) 18623-11-5	> 95	Not classified

3.2. Mixture

Not	app	lica	ble
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SECTION 4: First aid measures			
4.1. Description of first aid measures			
First-aid measures general		and shoes. In case of accident or if you feel un now the label where possible). If possible show bel.	
First-aid measures after inhalation	: Remove victim to fresh air and unwell, seek medical advice.	keep at rest in a position comfortable for breat	hing. If you feel
First-aid measures after skin contact	: Wash with plenty of soap and	water.	
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First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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	ffects, both acute and delayed
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: May cause eye irritation.
Symptoms/injuries after ingestion	: May be harmful if swallowed.
	ical attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	S
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.
5.2. Special hazards arising from the	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 mo	easures
6.1. Personal precautions, protective	equipment 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.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. N	otify authorities if liquid enters sewers or public waters.
6.3. Methods and material for contair	ment and cleaning up
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 perso	nal protection.
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. Provide good ventilation in process area to prevent accumulation of vapors.
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, inclu	uding any incompatibilities
Storage conditions	: Keep container tightly closed.
Incompatible materials	: Alkalis. Metal salts. Oxidizing agent. Precious metals.
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/pe	ersonal 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.

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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	: NIOSH-certified combination organic vapor/acid gas (yellow 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	: 284.6 g/mol
Color	: No data available
Odor	: Mild.
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	: ≥27 °C
Boiling point	: 195 °C @ 15 mm Hg
Flash point	: > 110 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: <1 mm Hg @ 20°C
Relative vapor density at 20 °C	: >1
Relative density	: 0.794
Solubility	: Insoluble in water.
Log Pow	: No data available
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
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 in sealed containers stored under a dry inert atmosphere.		
10.3. Possibility of hazardous reactions		
The product can generate small amounts of hydrogen when exposed to alkalis and protic materials such as water and alcohol in combination metal salts such as aluminum chloride or precious metals such as platinum.	with	
10.4. Conditions to avoid		
Heat. Open flame. Sparks.		
10.5. Incompatible materials		
Alkalis. Metal salts. Oxidizing agent. Precious metals.		
0.6. Hazardous decomposition products		
Carbon monoxide. Formaldehyde. Hydrogen. Organic acid vapors. Silicon dioxide.		
SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity : Not classified		
Skin corrosion/irritation : Not classified		
Serious eye damage/irritation : Not classified		

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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 cause irritation to the respiratory tract.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: May cause eye irritation.
Symptoms/injuries after ingestion	: May be harmful if swallowed.
SECTION 12: Ecological information	n
12.1. Toxicity	
No additional information available	
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	. No additional information quailable
Effect on ozone layer Effect on the global warming	 No additional information available No known ecological damage caused by this product.
SECTION 13: Disposal consideratio	ns
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	
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14.1. UN number Not regulated for transport.	
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UN number Not regulated for transport. 14.2. UN proper shipping name Not applicable	
14.1. UN number Not regulated for transport. 14.2. UN proper shipping name Not applicable 14.3. Additional information	
14.1. UN number Not regulated for transport. 14.2. UN proper shipping name Not applicable 14.3. Additional information	: No supplementary information available.
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14.1. UN number Not regulated for transport. 14.2. UN proper shipping name Not applicable 14.3. Additional information Other information Transport by sea No additional information available Air transport No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations n-Octadecylsilane (18623-11-5)	: No supplementary information available.
14.1. UN number Not regulated for transport. 14.2. UN proper shipping name Not applicable 14.3. Additional information Other information Transport by sea No additional information available Air transport No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations n-Octadecylsilane (18623-11-5) Listed on the United States TSCA (Toxic Subs 15.2. International regulations	: No supplementary information available.
14.1. UN number Not regulated for transport. 14.2. UN proper shipping name Not applicable 14.3. Additional information Other information Transport by sea No additional information available Air transport No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations n-Octadecylsilane (18623-11-5) Listed on the United States TSCA (Toxic Substation States TSCA)	n stances Control Act) inventory

15.3. US State regulations	
n-OCTADECYLSILANE(18623-11-5)	
U.S California - Proposition 65 - Carcinogens List	No

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n-OCTADECYLSILANE(18623-11-5)				
U.S California - Proposition 65 - Developmental Toxicity		No		
U.S California - Proposition 65 - Reproductive Toxicity - Female		No		
U.S California - Proposition 65 - Reproductive N Toxicity - Male		No		
n-Octadecylsilane (18623-11-5)				
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	No significance risk level (NSRL)
No	No	No	No	

SECTION 16: Other information	
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.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
	: 1 Slight Hazard
Flammability Physical	: 1 Slight Hazard
Prepared by safety and environmental affairs.	
Date of issue: 02/18/2015 Version: 1.0	
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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