

Safety Data Sheet 6183133

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 10/08/2018 Version: 1.0

SECTION 1: Identification Identification 1.1. Product form : Substance Substance name : n-Octodecvltrimethoxvsilane CAS No 3069-42-9 Product code 6183-1-33 Formula : C21H46O3Si : n-Octodecyltrimethoxysilane Synonyms Other means of identification : MFCD00043060 Relevant identified uses of the substance or mixture and uses advised against 1.2 : Laboratory chemicals Use of the substance/mixture Manufacture of substances Scientific research and development Details of the supplier of the safety data sheet 1.3. SvnQuest Laboratories. Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.com 1.4. **Emergency telephone number** Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 2.1. **Classification of the substance or mixture** Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye irritation H335 - May cause respiratory irritation STOT SE 3 Full text of H-phrases: see section 16 22 Label elements **GHS-US** labeling Hazard pictograms (GHS-US) GHS07 Signal word (GHS-US) : Warning Hazard statements (GHS-US) : H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation : P261 - Avoid breathing fumes, mist, spray, vapors Precautionary statements (GHS-US) P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant

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2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US	5)			
Not applicable				
SECTION 3: Composition/informa	tion on ir	gredients		
3.1. Substance				
Substance type	: Mono	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
n-Octodecyltrimethoxysilane (Main constituent)		(CAS No) 3069-42-9	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16				·
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures	;			
First-aid measures general	wher	se of accident or if you feel unwell, seek e possible). Move the affected personnel	away from the	contaminated area.
First-aid measures after inhalation	respi	ove person to fresh air and keep comforta ration. Get medical advice/attention.		
First-aid measures after skin contact		n with plenty of soap and water. Get med		
First-aid measures after eye contact	prese	ediately flush eyes thoroughly with water ent and easy to do. Continue rinsing. Get	medical advice	e/attention.
First-aid measures after ingestion		OT induce vomiting. Never give anything h out with water. Get medical advice/atte		n unconscious person. Rinse
4.2. Most important symptoms and e	ffects, both	acute and delayed		
Symptoms/injuries		most important known symptoms and effe and/or in section 11.	ects are describ	bed in the labelling (see section
4.3. Indication of any immediate med	lical attentic	on and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measure	S			
5.1. Extinguishing media				
Suitable extinguishing media		nol resistant foam. Carbon dioxide. Dry popriate for surrounding fire.	owder. Water s	pray. Use extinguishing media
5.2. Special hazards arising from the	substance	or mixture		
Fire hazard	: Ther	mal decomposition generates: Carbon ox	ides. Silicon o	kides.
5.3. Advice for firefighters				
Firefighting instructions	: In ca	se of fire: Evacuate area.		
Protection during firefighting		r gas tight chemically protective clothing i ratus. For further information refer to sec		
SECTION 6: Accidental release m	easures			
6.1. Personal precautions, protective				
General measures		uate unnecessary personnel. Ensure ade the gas, fumes, vapor or spray.	equate air venti	lation. Do not breathe dust. Do not
6.1.1. For non-emergency personnel				
Emergency procedures	: Only	qualified personnel equipped with suitab	e protective ec	uipment may intervene.
6.1.2. For emergency responders				
Protective equipment		ot attempt to take action without suitable to section 8: "Exposure controls/persona		pment. For further information
6.2. Environmental precautions				
Avoid release to the environment. Notify auth	orities if pro	duct enters sewers or public waters.		

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6.3. Methods and mat	erial for containment and cleaning up
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.
Methods for cleaning up	Minimize generation of dust. Take up large spills with pump or vacuum and finish with dry chemical absorbent. Use explosion-proof equipment. Take up small spills with dry chemical absorbent. Sweep or shovel spills into appropriate container for disposal. Ventilate area.
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. Reference to othe	r sections
No additional information ava	ilable
SECTION 7: Handling	and storage
7.1. Precautions for s	afe handling
Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Ensure good

	ventilation of the work station. Do not breathe dust, fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities		
Technical measures	: Comply with applicable regulations.	
Storage conditions	: Keep container closed when not in use. Moisture sensitive. Keep contents under inert gas.	
Incompatible materials	: Refer to Section 10 on Incompatible Materials.	
Storage area	: Store in dry, cool, well-ventilated area.	

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTION 9: Physical and chemica	al properties	
9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Appearance	: Low melting solid.	
Color	: No data available	
Odor	: No data available	
Odor threshold	: No data available	
рН	: No data available	
Melting point	: 13 - 17 °C	
Freezing point	: No data available	
Boiling point	: 170 °C (@ 1 mm Hg)	
Flash point	: 140 °C	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flammability (solid, gas)	: No data available	
Explosion limits	: No data available	
Explosive properties	: No data available	
Oxidizing properties	: No data available	
Vapor pressure	: No data available	
Relative density	: No data available	

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Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 0.885 g/ml (@ 25 °C)
Molecular mass	: 374.6736 g/mol
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
9.2. Other information	
Refractive index	: 1.439 (@ 20 °C)

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No addi	tional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No addi	tional information available
10.4.	Conditions to avoid
Keep av	way from heat, sparks and flame.
10.5.	Incompatible materials
Oxidizin	g agents. Water.
10.6.	Hazardous decomposition products
	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of escition 5.

SECTION 11: Toxicological informati 11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

12.1.	Toxicity
No addi	tional information available
12.2.	Persistence and degradability
No addi	tional information available
12.3.	Bioaccumulative potential
No addi	tional information available

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consider	rations
13.1. Waste treatment methods	
Waste treatment methods Waste disposal recommendations Additional information	 Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. Dispose of contents/container in accordance with licensed collector's sorting instructions. Recycle the material as far as possible.
SECTION 14: Transport informa	tion
Department of Transportation (DOT) In accordance with DOT Not regulated for transport	
TDG	

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

n-Octodecyltrimethoxysilane (3069-42-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	P - P - indicates a commenced PMN substance.

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA	
n-Octodecyltrimethoxysilane (3069-42-9)	
Listed on the Canadian NDSL (Non-Domestic Substances List)	

EU-Regulations

No additional information available

National regulations

n-Octodecyltrimethoxysilane (3069-42-9)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on the Korean ECL (Existing Chemicals List)
Listed on the TCSI (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

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SECTION 16: Other information

Full text of H-phrases:

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Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A	
Skin Irrit. 2	Skin corrosion/irritation Category 2	
STOT SE 3	Specific target organ toxicity (single exposure) Category 3	
H315	Causes skin irritation	
H319	Causes serious eye irritation	
H335	May cause respiratory irritation	
NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.	
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.	
NFPA reactivity	: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.	
HMIS III Rating		
Health	: 2 Moderate Hazard - Temporary or minor injury may occur	
Flammability	: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)	
Physical	: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.	

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.