

# Pentafluorophenyltriethoxysilane Safety Data Sheet 6683305 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/12/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: Pentafluorophenyltriethoxysilane
CAS No	: 20083-34-5
Product code	: 6683-3-05
Formula	: C12H15F5O3Si
Synonyms	: Triethoxy(2,3,4,5,6-pentafluorophenyl)silane
Other means of identification	: MFCD03411257
1.2. Relevant identified uses of the	substance or mixture and uses advised against
Use of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Details of the supplier of the same	afety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Ame T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestla 1.4. Emergency telephone number	<u>bs.com</u>
Emergency relephone number	: (844) 523-4086 (3E Company - Account 10069)
Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirate Full text of H-phrases: see section 16 2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	
Signal word (CHS-US)	GHS07
Signal word (GHS-US) Hazard statements (GHS-US)	GHS07 : Warning : H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
-	<ul> <li>Warning</li> <li>H315 - Causes skin irritation</li> <li>H319 - Causes serious eye irritation</li> </ul>

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2.3. Other hazards					
No additional information available					
2.4. Unknown acute toxicity (GHS US)					
Not applicable					
SECTION 3: Composition/information	on in	predients			
3.1. Substance		<i></i>			
	Mono	-constituent			
Name		Product identifier	%	Classification (GHS-US)	
Pentafluorophenyltriethoxysilane		(CAS No) 20083-34-5	<= 100	Skin Irrit. 2, H315	
(Main constituent)				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 :		e of accident or if you feel unwell, seek i possible). Move the affected personnel			
First-aid measures after inhalation :		ve person to fresh air and keep comforta ation. Get medical advice/attention.	able for breathin	g. If not breathing, give artificial	
First-aid measures after skin contact :	Wash	with plenty of soap and water. Get med	ical advice/atten	tion.	
First-aid measures after eye contact :		diately flush eyes thoroughly with water			
First sides as a first is senting	•	nt and easy to do. Continue rinsing. Get			
First-aid measures after ingestion :	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.				
4.2. Most important symptoms and effects,	, both a	acute and delayed			
Symptoms/injuries : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.					
4.3. Indication of any immediate medical at	4.3. Indication of any immediate medical attention and special treatment needed				
Treat symptomatically.					
SECTION 5: Firefighting measures					
5.1. Extinguishing media					
Suitable extinguishing media :		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media	
5.2. Special hazards arising from the subst	tance o	or mixture			
		nal decomposition generates: Carbon ox	ides. Hydrogen	fluoride. Silicon oxides.	
	Risk o	f explosion if heated under confinement	. Use water spra		
	conta	ners. May form flammable/explosive vap	oor-air mixture.		
5.3. Advice for firefighters					
0 0		e of fire: Evacuate area. Fight fire remot		•	
Protection during firefighting :		gas tight chemically protective clothing i atus. For further information refer to sec			
SECTION 6: Accidental release measu	res				
6.1. Personal precautions, protective equip	oment	and emergency procedures			
General measures :		ate unnecessary personnel. Ensure ade or spray.	equate air ventila	ation. Do not breathe gas, fumes,	
6.1.1. For non-emergency personnel					
0 91	Only o	qualified personnel equipped with suitabl	e protective equ	ipment may intervene.	
6.1.2. For emergency responders					
	Dono	t attempt to take action without suitable	protective equin	ment. For further information	
		o section 8: "Exposure controls/persona			

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Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level. Consider the risk of potentially explosive atmospheres. Eliminate every possible source o ignition.
6.2. Environmental precautions	
Avoid release to the environment. Notify a	authorities if product enters sewers or public waters.
6.3. Methods and material for con	tainment and cleaning up
For containment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.
Methods for cleaning up	: 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 other sections	
No additional information available	
SECTION 7: Handling and stora	age
7.1. Precautions for safe handling	
Precautions for safe handling	<ul> <li>Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe fumes, mist, spray, vapors. Wear personal protective equipment. Avoid contact with skin and eyes.</li> </ul>
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, i	ncluding any incompatibilities
Fechnical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Moisture sensitive. Keep contents under inert gas.
ncompatible materials Storage area	<ul><li>Refer to Section 10 on Incompatible Materials.</li><li>Store in dry, cool, well-ventilated area.</li></ul>
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Relative evaporation rate (butyl acetate=1)

Flammability (solid, gas)

Explosion limits

12/08/2016

: No data available

: No data available

: No data available

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Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 1.24 g/ml (@ 25 °C)
Molecular mass	: 330.32 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**

No additional information available

# SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### **Chemical stability** 10.2.

The product is stable at normal handling and storage conditions.

#### 10.3. Possibility of hazardous reactions

No additional information available

#### **Conditions to avoid** 10.4.

Keep away from heat, sparks and flame. Moisture.

#### 10.5. **Incompatible materials**

Strong oxidizing agents.

#### Hazardous decomposition products 10.6.

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

# **SECTION 11: Toxicological information**

#### Information on toxicological effects 11.1.

Acute toxicity	: Not classified
Skin corrosion/irritation Serious eye damage/irritation	: Causes skin irritation. : Causes serious eve irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity 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

#### SECTION 12: Ecological information 12.1. Toxicity No additional information available 12.2. Persistence and degradability No additional information available 12/08/2016 EN (English US) SDS ID: 6683305 4/6

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12.3.	Bioaccumulative potential		
No add	tional information available		
12.4.	Mobility in soil		
No add	tional information available		
	Other adverse effects		
12.5.	Other auverse effects		

## SECTION 13: Disposal considerations

#### 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 information**

## **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

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

Pentafluorophenyltriethoxysilane	CAS No 20083-34-5	100%	
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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

No additional information available

## **EU-Regulations**

No additional information available

**National regulations** No additional information available

## 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

## **SECTION 16: Other information**

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Full text of H-phrases:	
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	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	<ul> <li>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)</li> </ul>
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
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.