

Safety Data Sheet 3641310 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 08/24/2015 Version: 1.0

	e of issue. 00/24/2013 Version. 1.0	
SECTION 1: Identification		
1.1. Identification		
Product form	: Substance	
Substance name	: Pentafluorobenzene-1-carboximidamide	
CAS No	: 885954-06-3	
Product code	: 3641-3-10	
Formula	: C7H3F5N2	
Synonyms	: 2,3,4,5,6-Pentafluorobenzamidine	
Other means of identification	: MFCD05663367	
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 sa	fety data sheet	
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Amer T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab		
1.4. Emergency telephone number		
Emergency number	: (844) 523-4086 (3E Company - Account 10069)	
Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16		
2.2. 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	
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing dust, mist, spray 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 pr P302+P352 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep comfortal P305+P351+P338 - If in eyes: Rinse cautiously with water for several m 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 P332+P313 - If skin irritation occurs: 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 clos P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal place</li> </ul>	ble for breathing hinutes. Remove contac s label) sed
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2.3.	Other hazards				
	onal information available				
2.4.	Unknown acute toxicity (GHS US)				
Not appli	cable				
SECTION	ON 3: Composition/information	on in	gredients		
3.1.	Substance				
Substanc	e type	Mono	-constituent		
Name			Product identifier	%	Classification (GHS-US)
Pentaflue (Main con	orobenzene-1-carboximidamide stituent)		(CAS No) 885954-06-3	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of	of H-phrases: see section 16				
3.2.	Mixture				
Not appli	cable				
SECTIO	ON 4: First aid measures				
4.1.	Description of first aid measures				
First-aid	measures general :		e of accident or if you feel unwell, seek r 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 breathing	g. If not breathing, give artificial
First-aid	measures after skin contact :	Wash	with plenty of soap and water. Get medi	cal advice/atten	tion.
First-aid	measures after eye contact :		diately flush eyes thoroughly with water f nt and easy to do. Continue rinsing. Get		
First-aid	measures after ingestion :		DT induce vomiting. Never give anything out with water. Get medical advice/atter		unconscious person. Rinse
4.2.	Most important symptoms and effects	, both a	acute and delayed		
Symptom	s/injuries :		nost important known symptoms and effe nd/or in section 11.	ects are describe	d in the labelling (see section
4.3.	Indication of any immediate medical a	ttentio	and special treatment needed		
	nptomatically.				
SECTIO	ON 5: Firefighting measures				
5.1.	Extinguishing media				
Suitable	extinguishing media :	Alcoh	ol resistant foam. Carbon dioxide. Dry po	owder. Water sp	ray.
5.2.	Special hazards arising from the subs	tance o	or mixture		
Fire haza	ırd :	Thern	nal decomposition generates: Carbon ox	ides. Hydrogen f	fluoride. Nitrogen oxides.
5.3.	Advice for firefighters				
Protectio	-		t attempt to take action without suitable o section 8: "Exposure controls/personal		ment. For further information
SECTIO	ON 6: Accidental release measu	res			
6.1. Personal precautions, protective equipment and emergency procedures					
General r	neasures :		late unnecessary personnel. Ensure ade ne dust.	quate air ventila	tion. Avoid raising dust. Do not
6.1.1.	For non-emergency personnel				
Emergen	cy procedures :	Only	qualified personnel equipped with suitabl	e protective equ	ipment may intervene.
6.1.2.	For emergency responders				
Protective	e equipment :		t attempt to take action without suitable o section 8: "Exposure controls/personal		ment. For further information
6.2.	Environmental precautions				
Avoid release to the environment. Notify authorities if product enters sewers or public waters.					
6.3.	Methods and material for containment	and cl	eaning up		
Methods	for cleaning up :	Swee	p or shovel spills into appropriate contair	ner for disposal.	Minimize generation of dust.

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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	
<b>SECTION 7: Handling and storage</b>	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Do not breathe dust. Avoid raising dust. 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, inclu	ding any incompatibilities
Storage conditions	: Keep container tightly closed. 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.		
Eye protection	: Chemical goggles or safety glasses. Face shield.		
Skin and body protection	: Wear suitable protective clothing.		
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.		
SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and c	hemical properties		
Physical state	: Solid		
Color	: No data available		
Odor	: No data available		
Odor threshold	: No data available		
рН	: No data available		
Melting point	: No data available		
Freezing point	: No data available		

: No data available
: No data available
: 210.1 g/mol
: No data available

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9.2.	Other information		
No addit	ional information available		
SECTI	ON 10: Stability and reactivity		
10.1.	Reactivity		
No addit	ional information available		
10.2.	Chemical stability		
The proc	luct is stable at normal handling and storage conditions.		
10.3.	Possibility of hazardous reactions		
No addit	ional information available		
10.4.	Conditions to avoid		
No additional information available			
10.5.	Incompatible materials		
Strong o	xidizing agents.		
10.6.	Hazardous decomposition products		

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 1	11: Toxicological information
11.1. Info	ormation 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

SECTION 12: Ecological information
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 available

SECTION 13: Disposal considerations			
13.1. Waste treatment methods			
Waste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.		
Waste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.		

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### **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
Pentafluorobenzene-1-carboximidamide (885954-06-3)
Not listed on the United States TSCA (Toxic Substances Control Act) inventory
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic

CAS No 885954-06-3

Substances Control Act (TSCA) inventory except for:

Pentafluorobenzene-1-carboximidamide

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**

#### 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	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.	
NFPA fire hazard	: 0 - Materials that will not burn.	
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.	

100%

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HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 0 Minimal Hazard - Materials that will not burn
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.