

Safety Data Sheet 5671B04 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 11/09/2016 Version: 1.0

SECTION 1: Identification 1.1. Identification Product form	
Product form	
	: Substance
Substance name	: 2-Fluoro-5-(pentafluorosulfur)bromobenzene
CAS No	: 1706434-97-0
Product code	: 5671-B-04
Formula	: C6H3BrF6S
Synonyms	: 2-Bromo-1-fluoro-4-(pentafluorosulfanyl)benzene
Other means of identification	: MFCD27986829
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	afety 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)
STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16	.,
GHS-US labeling	:
	: GHS07 : Warning : H315 - Causes skin irritation
GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	: Warning

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0.0 Others because				
2.3. Other hazards				
No additional information available 2.4. Unknown acute toxicity (GHS US)				
Not applicable				
	on in	n radianta		
SECTION 3: Composition/information		greatents		
3.1. Substance	Mono	constituent		
	IVIONO	-constituent		
Name		Product identifier	%	Classification (GHS-US) Skin Irrit. 2. H315
2-Fluoro-5-(pentafluorosulfur)bromobenzene (Main constituent)		(CAS No) 1706434-97-0	<= 100	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 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 t 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/atte		unconscious person. Rinse
4.2. Most important symptoms and effects	, both a	acute and delayed		
Symptoms/injuries :		nost important known symptoms and effe nd/or in section 11.	ects are describe	ed in the labelling (see section
4.3. Indication of any immediate medical a	ttentio	n 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 subs	tance o	or mixture		
Fire hazard :		nal decomposition generates: Carbon ox oxides.	ides. Hydrogen	bromide. Hydrogen fluoride.
Explosion hazard :	Risk o conta	of explosion if heated under confinement iners.	. Use water spra	y or fog for cooling exposed
5.3. Advice for firefighters				
Firefighting instructions :	In cas	e of fire: Evacuate area. Fight fire remot	ely due to the ris	sk of explosion.
Protection during firefighting :		gas tight chemically protective clothing i atus. For further information refer to sect		
SECTION 6: Accidental release measu	ires			
6.1. Personal precautions, protective equi	pment	and emergency procedures		
General measures :		ate unnecessary personnel. Ensure ade or spray.	equate air ventila	tion. Do not breathe gas, fumes,
6.1.1. For non-emergency personnel				
0 91	Only	qualified personnel equipped with suitabl	e protective equ	ipment may intervene.
6.1.2. For emergency responders				
Protective equipment :		t attempt to take action without suitable o section 8: "Exposure controls/persona		ment. For further information

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Emergency	procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.
6.2. E	invironmental precautions	
Avoid relea	se to the environment. Notify autho	rities if product enters sewers or public waters.
6.3. N	lethods and material for containr	nent and cleaning up
For contain	ment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.
Methods fo	r 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 inforr	nation	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. R	Reference to other sections	
No addition	al information available	
SECTION	N 7: Handling and storage	
7.1. P	Precautions for safe handling	
Precautions	s for safe handling	: Do not handle until all safety precautions have been read and understood. Ensure good

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 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, includin	g any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
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 chemical properties**

9.1.	Information on basic physical and	chemical properties
Physica	al state	: Liquid
Color		: No data available
Odor		: No data available
Odor th	nreshold	: No data available
pН		: No data available
Melting	point	: No data available
Freezir	ng point	: No data available
Boiling	point	: No data available
Flash p	point	: No data available
Relativ	e evaporation rate (butyl acetate=1)	: No data available
Flamm	ability (solid, gas)	: No data available
Explosi	ion limits	: No data available
Explosi	ive properties	: No data available

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Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Molecular mass	: 301.05 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

SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No add	itional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	itional information available
10.4.	Conditions to avoid
Keep a	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	oxidizing agents.
10.6.	Hazardous decomposition products
Under r	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:	Toxicologica	al information

Information on toxicological effects 11.1.

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

SECTI	ON 12: Ecological information			
12.1.	Toxicity			
No additi	onal information available			
12.2.	Persistence and degradability			
No additi	onal information available			
12.3.	Bioaccumulative potential			
No additi	onal information available			
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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

3.1. Waste treatment methods	ations
Vaste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.
Vaste disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Recycle the material as far as possible.
SECTION 14: Transport informati	ion
Department of Transportation (DOT)	
n accordance with DOT	
Not regulated for transport	
DG	
lo additional information available	
ransport by sea	
lo additional information available	
Air transport	
lo additional information available	
SECTION 15: Regulatory information	tion
5.1. US Federal regulations	
All components of this product are listed, or Substances Control Act (TSCA) inventory e	or excluded from listing, on the United States Environmental Protection Agency Toxic except for:
2-Fluoro-5-(pentafluorosulfur)bromobenzer	ne CAS No 1706434-97-0 100%
CFR §372.38(a) subject to the reporting red	a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 equirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986
and 40 CFR Part 372.	
and 40 CFR Part 372. 5.2. International regulations CANADA No additional information available	
5.2. International regulations CANADA	

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

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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.