

# (1-Bromoethenyl)sulfur pentafluoride

Safety Data Sheet 5371B02 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/30/2019 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: (1-Bromoethenyl)sulfur pentafluoride
CAS No	: 917-90-8
Product code	: 5371-B-02
Formula	: C2H2BrF5S
Synonyms	: Pentafluoro(1-bromoethenyl)sulfur
Other means of identification	: MFCD24842686
.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
I.3. Details of the supplier of the sa	afety data sheet
SynQuest Laboratories, Inc.	
P.O. Box 309	
Alachua, FL 32615 - United States of Ameri	ica
Г (386) 462-0788 - F (386) 462-7097 nfo@synquestlabs.com - <u>www.synquestlab</u>	DS.COM
.4. Emergency telephone number	
mergency number	: (844) 523-4086 (3E Company - Account 10069)
2.1. Classification of the substance	
Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritatior Eye Irrit. 2A H319 - Causes serious eye	n
Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritatior Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16	n irritation
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Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritatior 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	n irritation
Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritation 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	n irritation
Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritatior 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)	n irritation ory irritation
Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritatior Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16	n irritation bry irritation : : : : : : : : : : : : : : : : : : :
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No additional information available 2.4. Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/information on ingredients 3.1. Substance Substance type : Mono-constituent Name ontherwise (f-B Road Road Road Road Road Road Road Road					
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3.1.       Substance         Substance type       : Mono-constituent         Name       Product identifier       %       Classification (GHS-US)         (1-Brometherw/)sulfur pentalluoide       (CAS No) 917-90-8       <= 100	Not applicable				
Substance type       : Mono-constituent         Name       Product identifier       %       Classification (GHS-US)         (1-Brometherry/Isulfur penalluoride       ICAS No 1917-90-8 <en 100<="" td="">       Sin Int. 2, 14315         Full text of H-phrases: see section 16       .       .       Sin Int. 2, 14315         3.2.       Mixture       .       .       .         Not applicable       .       .       .       .         Section 4.4 First aid measures         First-aid measures general       : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Move the affected personnel away from the contaminated area.         First-aid measures after inhalation       : Remove person to fresh air and keep comfortable for breathing. If not breathing, give antificial respiration.         First-aid measures after eye contact       : Wash with plenty of soap and water. Get medical advice/attention.         First-aid measures after eye contact       : Immediately flush eyes throughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue ninsing. Cett medical advice/attention.         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.         Site addication of any immediate medical attention and special treatment needed       Tea asymptoma</en>	SECTION 3: Composition/information	on in	gredients		
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	Firefighting instructions :	In cas	e of fire: Evacuate area. Fight fire remote	ely due to the ris	sk of explosion.
	Protection during firefighting :				
SECTION 6: Accidental release measures	SECTION 6: Accidental release measu	res			
6.1. Personal precautions, protective equipment and emergency procedures			and emergency procedures		
General measures : Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray.		Evacu	ate unnecessary personnel. Ensure ade	equate air ventila	ation. Do not breathe gas, fumes,
6.1.1. For non-emergency personnel	6.1.1. For non-emergency personnel				
Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene.	<b>U U</b>	Only	qualified personnel equipped with suitabl	e protective equ	uipment may intervene.
6.1.2. For emergency responders					
Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	Protective equipment :				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. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for contain	Methods and material 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	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 storage				
7.1. Precautions for safe 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 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.			
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

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## **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and	d chemical properties	
Physical state	: Liquid	
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	
Boiling point	: 87 °C	
Flash point	: No data available	
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	

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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	: 232.998 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	oduct 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
Alkali m	netals. Finely divided metals (Al, Mg, Zn). Strong bases. Strong oxidizing 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 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity	<ul> <li>Causes skin irritation.</li> <li>Causes serious eye irritation.</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> </ul>
Reproductive toxicity Specific target organ toxicity (single exposure)	<ul><li>Not classified</li><li>May cause respiratory irritation.</li></ul>
Specific target organ toxicity (repeated exposure) Aspiration hazard	: Not classified : Not classified

SECTION	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

SECTION 13: Disposal consideration	ns
13.1. Waste treatment methods	113
Waste treatment methods Waste disposal recommendations Additional information	<ul> <li>Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.</li> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Recycle the material as far as possible.</li> </ul>
SECTION 14: Transport information	
Department of Transportation (DOT) n accordance with DOT Not regulated for transport TDG No additional information available Transport by sea No additional information available	
ir transport lo additional information available SECTION 15: Regulatory informatic	n
5.1. US Federal regulations	
All components of this product are listed, or e Substances Control Act (TSCA) inventory exc	ccluded from listing, on the United States Environmental Protection Agency Toxic ept for:
(1-Bromoethenyl)sulfur pentafluoride	CAS No 917-90-8 100%
	ic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 rements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986
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:

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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

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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	: 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)

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