

Safety Data Sheet 5676BX0

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/18/2018 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: (Bromodifluoromethyl)triphenylphosphonium bromide
CAS No	: 58201-66-4
Product code	: 5676-B-X0
Formula	: C19H15Br2F2P
Other means of identification	: MFCD00191843
1.2. Relevant identified uses of the s	ubstance 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 safe	ety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Americ T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
Classification (GHS-US) Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye in STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	
	GHS07
Signal word (GHS-US)	GHS07 : Warning
Signal word (GHS-US) Hazard statements (GHS-US)	

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P501 - Dispose of contents/container to an approved waste disposal plant

		F301	- Dispose of contents/container to an ap	proved waste di	sposal plant
2.3.	Other hazards				
No addit	ional information available				
2.4.	Unknown acute toxicity (GHS US)				
Not appl	icable				
SECTI	ON 3: Composition/information	on in	gredients		
3.1.	Substance				
Substance type : Mono-constituent					
Name			Product identifier	%	Classification (GHS-US)
	difluoromethyl)triphenylphosphonium bromide nstituent)		(CAS No) 58201-66-4	<= 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 appl	icable				
SECTI	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 breathin	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 :	Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get 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.			
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	tentio	n and special treatment needed		
Treat syr	mptomatically.				
SECTI	ON 5: Firefighting measures				
5.1.	Extinguishing media				
Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.					
5.2.	Special hazards arising from the subst	ance o	or mixture		
Fire haza	ard :		nal decomposition generates: Carbon ox phorus oxides.	des. Hydrogen	bromide. Hydrogen fluoride.
5.3.	Advice for firefighters				
Firefighti	ing instructions :	In cas	e of fire: Evacuate area.		
Protectic	tection during firefighting : Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".				
SECTI	ON 6: Accidental release measu	res			
6.1.	Personal precautions, protective equip		and emergency procedures		
			late unnecessary personnel. Ensure ade	quate air ventila	tion. Do not breathe dust.
6.1.1.	For non-emergency personnel				
•		Only	qualified personnel equipped with suitabl	e protective equ	ipment may intervene.
6.1.2. Protectiv	For emergency responders re equipment		t attempt to take action without suitable o section 8: "Exposure controls/personal		ment. For further information
6.2.	Environmental precautions		· ·		
	lease to the environment. Notify authorities	if prod	uct enters sewers or public waters		
Avoiu iei	icase to the environment. Notity authonites	ii piuu	uor ontera semera or public matera.		

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6.3. Methods and material for containment and cleaning up			
For containment	: Stop leak if safe to do so.		
Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.		
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			

OLO HON 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 dust, mist, spray. 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

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 a	nd chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 180 °C
Freezing point	: No data available
Boiling point	: No data available
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
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	: 472.101 g/mol

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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 reacti	vity			
10.1. Reactivity	Reactivity			
No additional information available				
10.2. Chemical stability				
The product is stable at normal handling an	d storage conditions.			
10.3. Possibility of hazardous reaction	ons			
No additional information available				
10.4. Conditions to avoid				
Keep away from heat, sparks and flame.				
10.5. Incompatible materials				
Strong oxidizing agents.				
10.6. Hazardous decomposition proc	0.6. Hazardous decomposition products			
Under normal conditions of storage and use fire, see Section 5.	e, hazardous decomposition products should not be produced. Hazardous decomposition products in case of			
SECTION 11: Toxicological infor	mation			
11.1. Information on toxicological eff	lects			
Acute toxicity	: Not classified			
Skin corrosion/irritation	: Causes skin irritation.			
Serious eye damage/irritation	: Causes serious eye irritation.			
Respiratory or skin sensitization	: Not classified			

11.1.	Information on toxicological effects	
Acute to	kicity	: Not classified
Skin corr	osion/irritation	: Causes skin irritation.
Sorious	we domage/irritation	· Causas sariaus ava irritation

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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

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

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Aspiration hazard

: Not classified

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SECTION 13: Disposal consideration	ons
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.
Additional information	: 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	n .
15.1. US Federal regulations	
All components of this product are listed, or ex	xcluded from listing, on the United States Environmental Protection Agency Toxic

Substances Control Act (TSCA) inventory except for:		
(Bromodifluoromethyl)triphenylphosphonium bromide	CAS No 58201-66-4	100%

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:

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NFPA health hazard	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is 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	: 1 Slight Hazard - Irritation or minor reversible injury possible
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	: 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.