

4-(Bromodifluoromethoxy)nitrobenzene

Safety Data Sheet 4654BX0 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/19/2019 Version: 1.0

SECTION 1: Identification				
1.1. Identification				
Product form	: Substance			
Substance name	: 4-(Bromodifluoromethoxy)nitrobenzene			
CAS No	: 81932-04-9			
Product code	: 4654-B-X0			
Formula	: C7H4BrF2NO3	: C7H4BrF2NO3		
Other means of identification	: MFCD00153075			
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 developme	nt		
1.3. Details of the supplier of the saf	ety data sheet			
SynQuest Laboratories, Inc.				
P.O. Box 309				
Alachua, FL 32615 - United States of Americ	а			
T (386) 462-0788 - F (386) 462-7097 info@synguestlabs.com - www.synguestlabs	com			
1.4. Emergency telephone number				
Emergency number	: (844) 523-4086 (3E Company - Ac	count 10069)		
<u> </u>		,		
SECTION 2: Hazard(s) identificati				
2.1. Classification of the substance	or mixture			
Classification (GHS-US)				
Acute Tox. 4 (Oral) H302 - Harmful if swa	llowed			
Skin Irrit. 2 H315 - Causes skin i	ritation			
Eye Irrit. 2A H319 - Causes seriou				
STOT SE 3 H335 - May cause re	spiratory irritation			
Full text of H-phrases: see section 16				
2.2. Label elements				
GHS-US labeling				
Hazard pictograms (GHS-US)				
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	\mathbf{V}			
	GHS07			
Signal word (GHS-US)	: Warning			
Hazard statements (GHS-US)	: H302 - Harmful if swallowed			
	H315 - Causes skin irritation			
	H319 - Causes serious eye irritatio			
	H335 - May cause respiratory irrita			
Precautionary statements (GHS-US)	: P261 - Avoid breathing fumes, mis			
	P264 - Wash skin thoroughly after P270 - Do not eat, drink or smoke			
	P271 - Use only outdoors or in a w			
	P280 - Wear protective gloves/pro	tective clothing/eye protection/face protection		
		POISON CENTER or doctor/ physician if yo	u feel unwell	
	P302+P352 - If on skin: Wash with		hroothin -	
		person to fresh air and keep comfortable for		
	lenses, if present and easy to do. (se cautiously with water for several minutes		
		r doctor/physician if you feel unwell		
	P321 - Specific treatment (see sup	pplemental first aid instructions on this label)		
	P330 - Rinse mouth			
	P332+P313 - If skin irritation occur P337+P313 - If eye irritation persis			
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	P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant			
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	on on ir	naredients		
3.1. Substance				
Substance type	: Mon	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
4-(Bromodifluoromethoxy)nitrobenzene		(CAS No) 81932-04-9	78	Acute Tox. 4 (Oral), H302
(Main constituent)				Skin Irrit. 2, H315 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		se of accident or if you feel unwe re possible). Move the affected pe		
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Get immediate medical advice/attention.			
First-aid measures after skin contact	: Wash with plenty of soap and water. Get immediate medical advice/attention.			
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 immediate medical advice/attention.			
First-aid measures after ingestion		IOT induce vomiting. Never give th out with water. Get immediate		
4.2. Most important symptoms and effe				
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 medic	al attentio	on and special treatment neede	ed	
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		hol resistant foam. Carbon dioxid opriate for surrounding fire.	e. Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the s	ubstance	or mixture		
Fire hazard		mal decomposition generates: Ca gen oxides.	arbon oxides. Hydrog	en bromide. Hydrogen fluoride.
Explosion hazard		of explosion if heated under containers.	finement. Use water s	pray or fog for cooling exposed
5.3. Advice for firefighters				
Firefighting instructions	: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.			
Protection during firefighting		r gas tight chemically protective of aratus. For further information refe		n with self contained breathing sure controls/personal protection".
SECTION 6: Accidental release mea	asures			
6.1. Personal precautions, protective e	quipment	and emergency procedures		
General measures	: Evac		sure adequate air ver	ntilation. Do not breathe gas, fumes,

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6.1.2. For emergency responder	'S		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".		
Emergency procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.		
6.2. Environmental precaution	S		
Avoid release to the environment. Not	ify authorities if product enters sewers or public waters.		
6.3. Methods and material for	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 section	ns		
N 1977 11 6 7 7 7 7 7 7			
No additional information available			
	orage		
SECTION 7: Handling and st			
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SECTION 7: Handling and st 7.1. Precautions for safe hand	 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 		
SECTION 7: Handling and st 7.1. Precautions for safe hand Precautions for safe handling Hygiene measures	 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. Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or 		
SECTION 7: Handling and st 7.1. Precautions for safe hand Precautions for safe handling Hygiene measures	 Iling 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. 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. 		
SECTION 7: Handling and st 7.1. Precautions for safe hand Precautions for safe handling Hygiene measures 7.2. Conditions for safe storag Technical measures	 Iling 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. 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. ge, including any incompatibilities 		
SECTION 7: Handling and st 7.1. Precautions for safe hand Precautions for safe handling Hygiene measures 7.2. Conditions for safe storag	 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. 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. including any incompatibilities Comply with applicable regulations. 		

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

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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
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	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available

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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	: 268.012 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				
10.2. Chemical stability				
The product is stable at normal handling and storage conditions.				
10.3. Possibility of hazardous reactions				
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 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	: Oral: Harmful if swallowed.
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

SECTIO	DN 12: Ecological information			
12.1.	Toxicity			
No additional information available				

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12.2.	Persistence and degradability				
No addit	No additional information available				
12.3.	Bioaccumulative potential				
No addit	ional information available				
12.4.	Mobility in soil				
No additional information available					
12.5.	Other adverse effects				
No additional information available					

SECTION 13: Disposal consideration	IS
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

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:

4-(Bromodifluoromethoxy)nitrobenzene	CAS No 81932-04-9	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

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Full text of H-phrases:				
	Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4	
	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	
	H302		Harmful if swallowed	
	H315		Causes skin irritation	
	H319		Causes serious eye irritation	
	H335		May cause respiratory irritation	
NFPA health hazard NFPA fire hazard NFPA reactivity		 : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given. : 1 - Must be preheated before ignition can occur. : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. 		
HMIS III Rating				
Health : 3 Seric given			Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is ven	
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.