

Safety Data Sheet 3637BX5 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 01/18/2019 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 4-Bromo-2,3-difluoroben	zonitrile	
CAS No	: 126163-58-4	contine	
Product code	: 3637-B-X5		
formula	: C7H2BrF2N		
Other means of identification	: MFCD09030640		
.2. Relevant identified uses of the su		advised against	
Jse of the substance/mixture	: Laboratory chemicals Manufacture of substanc Scientific research and c		
I.3. Details of the supplier of the safet	ty data sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America Γ (386) 462-0788 - F (386) 462-7097 nfo@synquestlabs.com - www.synquestlabs.com			
.4. Emergency telephone number			
mergency number	: (844) 523-4086 (3E Com	pany - Account 10069)	
SECTION 2: Hazard(s) identificatio	n		
2.1. Classification of the substance or			
Classification (GHS-US)			
Eye Irrit. 2A H319 - Causes serious STOT SE 3 H335 - May cause resp 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)	: H302 - Harmful if swallov H315 - Causes skin irrita H319 - Causes serious e H335 - May cause respir	tion ye irritation	
Precautionary statements (GHS-US)	 P261 - Avoid breathing of P264 - Wash skin thorou P270 - Do not eat, drink P271 - Use only outdoor P280 - Wear protective of P301+P312 - If swallowe P302+P352 - If on skin: ' P304+P340 - If inhaled: P305+P351+P338 - If in lenses, if present and eat P312 - Call a POISON Of P321 - Specific treatmen P330 - Rinse mouth P332+P313 - If skin irrita 	ust, mist, spray	u feel unwell breathing . Remove contact

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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)	1		
Not applicable			
SECTION 3: Composition/informat	ion on ingredients		
3.1. Substance			
Substance type	: Mono-constituent		
Name	Product identifier	%	Classification (GHS-US)
4-Bromo-2,3-difluorobenzonitrile (Main constituent)	(CAS No) 126163-58-4	<= 100	Acute Tox. 4 (Oral), H302 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	: In case of accident or if you feel ur where possible). Move the affected		
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	: Do NOT induce vomiting. Never gi mouth out with water. Get immedia		
4.2. Most important symptoms and eff	fects, both acute and delayed		
Symptoms/injuries	: The most important known sympto 2.2) and/or in section 11.	ms and effects are descril	bed in the labelling (see section
4.3. Indication of any immediate media	cal attention and special treatment neo	eded	
Treat symptomatically.	·		
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media	: Alcohol resistant foam. Carbon dic appropriate for surrounding fire.	xide. Dry powder. Water s	spray. Use extinguishing media
5.2. Special hazards arising from the s	substance or mixture		
Fire hazard	: Thermal decomposition generates Nitrogen oxides.	Carbon oxides. Hydroger	n bromide. Hydrogen fluoride.
5.3. Advice for firefighters			
Firefighting instructions	: In case of fire: Evacuate area.		
Protection during firefighting	: Wear gas tight chemically protectiv apparatus. For further information		
SECTION 6: Accidental release me	asures		
	equipment and emergency procedures		
General measures	: Evacuate unnecessary personnel.		ilation. Do not breathe dust.
6.1.1. For non-emergency personnel Emergency procedures	: Only qualified personnel equipped	with suitable protective ed	quipment may intervene.

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6.1.2. For emergency respond	lers
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precaution	ons
Avoid release to the environment. N	lotify authorities if product enters sewers or public waters.
6.3. Methods and material for	or 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 sect	ions
No additional information available	
SECTION 7: Handling and	storage
7.1. Precautions for safe ha	ndling
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 stor	age, 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 ph	sical and chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pН	: No data available
Melting point	: 51 - 52 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl ace	ate=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	: 217.998 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 addi	tional information available			
10.2.	Chemical stability			
The pro	duct is stable at normal handling and storage conditions.			
10.3.	Possibility of hazardous reactions			
No additional information available				
10.4.	Conditions to avoid			
Keep av	way from heat, sparks and flame.			
10.5.	Incompatible materials			
Strong oxidizing agents.				
10.6.	Hazardous decomposition products			
Under n	ormal 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

SECTI	SECTION 12: Ecological information					
12.1.	Toxicity					
No addit	lo additional information available					
12.2.	Persistence and degradability					
12.2.	Persistence and degradability					
No addit	No additional information available					
12.3.	Bioaccumulative potential					
No addit	No additional 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 considera	ations	
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 collecto	r's sorting instructions.
Additional information	: Recycle the material as far as possible.	
SECTION 14: Transport informat	ion	
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 informa	ation	
15.1. US Federal regulations		
All components of this product are listed, substances Control Act (TSCA) inventory	or excluded from listing, on the United States Environmental Protection Age except for:	ncy Toxic
4-Bromo-2,3-difluorobenzonitrile	CAS No 126163-58-4	100%
	a toxic chemical or chemicals in excess of the applicable de minimis concent equirements of section 313 of Title III of the Superfund Amendments and Re	
15.2. International regulations		
CANADA No additional information available		
EU-Regulations No additional information available		
ational regulations		

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 tex	t 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	
residual injury even thou given.NFPA fire hazard: 1 - Must be preheated bNFPA reactivity: 0 - Normally stable, even		 : 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 I	II Rating		
Health		: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment given	t is
Flamm	ability	: 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)	
Physica	al	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will Ne react with water, polymerize, decompose, condense, or self-react. Non-Explosives.	ОТ

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.