

Safety Data Sheet 3637F00 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 06/25/2020 Version: 1.0

SECTION 1: Identification					
1.1. Identification					
Product form	: Substance				
Substance name	: 6-Bromo-3-chloro-2-fluoro	oenzonitrile			
CAS No	: 1779124-51-4				
	oduct code : 3637-F-00				
formula					
Other means of identification	: MFCD26958725				
.2. Relevant identified uses of the su	bstance or mixture and uses a	dvised against			
Jse of the substance/mixture	: Laboratory chemicals Manufacture of substance Scientific research and de				
.3. Details of the supplier of the safe	y data sheet				
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America F (386) 462-0788 - F (386) 462-7097 <u>nfo@synquestlabs.com</u> - <u>www.synquestlabs.c</u>	<u>com</u>				
.4. Emergency telephone number					
mergency number	: (844) 523-4086 (3E Comp	any - Account 10069)			
SECTION 2: Hazard(s) identificatio	n				
.1. Classification of the substance or	mixture				
Classification (GHS-US)					
Acute Tox. 4 (Oral)H302 - Harmful if swallSkin Irrit. 2H315 - Causes skin irriEye Irrit. 2AH319 - Causes seriousSTOT SE 3H335 - May cause respFull text of H-phrases: see section 16	tation eye irritation				
2.2. Label elements					
GHS-US labeling Hazard pictograms (GHS-US)					
Signal word (CHS LIS)	GHS07				
Signal word (GHS-US) Hazard statements (GHS-US)	: Warning : H302 - Harmful if swallow H315 - Causes skin irritati H319 - Causes serious ey H335 - May cause respira	on e irritation			
Precautionary statements (GHS-US)	 P261 - Avoid breathing du P264 - Wash skin thoroug P270 - Do not eat, drink oi P271 - Use only outdoors P280 - Wear protective glo P301+P312 - If swallowed P302+P352 - If on skin: W P304+P340 - If inhaled: R P305+P351+P338 - If in e lenses, if present and eas P312 - Call a POISON CE P321 - Specific treatment P330 - Rinse mouth P332+P313 - If skin irritati 	st, mist, spray hly after handling smoke when using this product or in a well-ventilated area ves/protective clothing/eye protection/face protectio call a POISON CENTER or doctor/ physician if you ash with plenty of soap and water emove person to fresh air and keep comfortable for yes: Rinse cautiously with water for several minutes	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)				
Not applicable				
SECTION 3: Composition/information	on on ii	ngredients		
3.1. Substance				
Substance type	: Mon	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
6-Bromo-3-chloro-2-fluorobenzonitrile (Main constituent)		(CAS No) 1779124-51-4	<= 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		ase of accident or if you feel unwell, seek re possible). Move the affected personne		
First-aid measures after inhalation		nove person to fresh air and keep comfort iration. Get immediate medical advice/att		ing. If not breathing, give artificial
First-aid measures after skin contact		h with plenty of soap and water. Get imm		
First-aid measures after eye contact	pres	ediately flush eyes thoroughly with water ent and easy to do. Continue rinsing. Get	immediate me	edical advice/attention.
First-aid measures after ingestion		NOT induce vomiting. Never give anything th out with water. Get immediate medical		
4.2. Most important symptoms and effe	ects, both	acute and delayed		
Symptoms/injuries		most important known symptoms and eff and/or in section 11.	ects are descri	bed in the labelling (see section
4.3. Indication of any immediate medic	al attentio	on and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		hol resistant foam. Carbon dioxide. Dry p opriate for surrounding fire.	owder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the s	ubstance	or mixture		
Fire hazard		mal decomposition generates: Carbon ox rogen fluoride. Nitrogen oxides.	kides. Hydroge	n bromide. Hydrogen chloride.
5.3. Advice for firefighters				
Firefighting instructions	: In case of fire: Evacuate area.			
Protection 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". 			
SECTION 6: Accidental release mea				
6.1. Personal precautions, protective e				
General measures	: Eva	cuate unnecessary personnel. Ensure ad	equate air vent	ilation. Do not breathe dust.

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6.1.2.	For emergency responders	
Protecti	ve 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 precautions	
Avoid re	elease to the environment. Notify auth	norities if product enters sewers or public waters.
6.3.	Methods and material for contain	nment and cleaning up
For con	tainment	: Stop leak if safe to do so.
Method	s for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
Other ir	nformation	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4.	Reference to other sections	
No addi	itional information available	
SECT	ION 7: Handling and storage	
7.1.	Precautions for safe handling	
Precaut	tions 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	e 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, incl	uding any incompatibilities
Technic	cal measures	: Comply with applicable regulations.
Storage	e conditions	: Keep container closed when not in use.
Incomp	atible 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 on basic physical and	che	mical properties
Physical state		:	Solid
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	n 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	: 234.453 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 addi	itional information available
10.4.	Conditions to avoid
Keep av	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	bases. Strong oxidizing agents.
10.6.	Hazardous decomposition products
	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of e Section 5.

	SECTION 1	1: Toxico	logical inf	ormation
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11.1. Information on toxicological effects

Acute toxicity	: Oral: Harmful if swallowed.
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity	 Causes skin irritation. Causes serious eye irritation. Not classified Not classified Not classified Not classified
Reproductive toxicity Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure)	Not classifiedMay cause respiratory irritation.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 additional information available						
12.3.	Bioaccumulative potential					
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 consideratio	ns				
Use Waste treatment methods Waste treatment methods Waste disposal recommendations Additional information Mathematical States	 Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber Dispose of contents/container in accordance with licensed collector's sorting instructions. Recycle the material as far as possible. 	r.			
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					
hir transport Io additional information available SECTION 15: Regulatory informatio	2				
5.1. US Federal regulations					
	ccluded from listing, on the United States Environmental Protection Agency Toxic				
6-Bromo-3-chloro-2-fluorobenzonitrile	CAS No 1779124-51-4 100%				
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.					
5.2. International regulations					
ANADA lo 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 tex	t of H-phrases:		
	Acute Tox. 4 (Oral)	Act	ute toxicity (oral) Category 4
	Eye Irrit. 2A	Se	rious eye damage/eye irritation Category 2A
	Skin Irrit. 2	Ski	in corrosion/irritation Category 2
	STOT SE 3	Sp	ecific target organ toxicity (single exposure) Category 3
	H302	Ha	rmful if swallowed
	H315	Ca	uses skin irritation
	H319	Ca	uses serious eye irritation
	H335	Ma	y cause respiratory irritation
 NFPA health hazard 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. 		ompt medical attention was gnition can occur. In fire exposure conditions,	
HMIS I	I Rating		
Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and me given		ury likely unless prompt action is taken and medical treatment is	
Flamm	ability	 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquid 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 NO 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.