

3-Bromo-2,5-difluorophenol

Safety Data Sheet 2601B0B according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 03/04/2021 Version: 1.0

SECTION 1: Identification					
	. Cultotonoo				
Product form	: Substance				
Substance name		: 3-Bromo-2,5-difluorophenol			
CAS No		: 1783357-67-4			
Product code		: 2601-B-0B			
Formula	: C6H3BrF2O				
Other means of identification	: MFCD28528419				
I.2. Relevant identified uses of the	substance or mixture and uses advise	d against			
Use of the substance/mixture	: Laboratory chemicals				
	Manufacture of substances Scientific research and develop	nont			
	Scientific research and develop	nent			
I.3. Details of the supplier of the sa	fety data sheet				
SynQuest Laboratories, Inc.					
P.O. Box 309 Alachua, FL 32615 - United States of Amer	ca				
Γ (386) 462-0788 - F (386) 462-7097					
nfo@synquestlabs.com - www.synquestlab	s.com				
1.4. Emergency telephone number					
Emergency number	: (844) 523-4086 (3E Company -	Account 10069)			
SECTION 2: Hazard(s) identificat	ion				
2.1. Classification of the substance					
Classification (GHS-US)					
	errie d				
Acute Tox. 3 (Oral) H301 - Toxic if swall Skin Irrit. 2 H315 - Causes skin					
Eye Irrit. 2A H319 - Causes serio					
STOT SE 3 H335 - May cause re	espiratory irritation				
Full text of H-phrases: see section 16					
2.2. Label elements					
GHS-US labeling					
Hazard pictograms (GHS-US)					
	at the				
	GHS06 GHS07				
Signal word (GHS-US)	: Danger				
Hazard statements (GHS-US)	: H301 - Toxic if swallowed				
	H315 - Causes skin irritation				
	H319 - Causes serious eye irrita				
	H335 - May cause respiratory ir				
Precautionary statements (GHS-US)	: P261 - Avoid breathing dust, mi				
	P264 - Wash skin thoroughly af P270 - Do not eat, drink or smo				
	P270 - Use only outdoors or in a				
		rotective clothing/eye protection/face protecti	on		
	P301+P310 - If swallowed: Imm	ediately call a poison center/doctor/			
	P302+P352 - If on skin: Wash v				
	P304+P340 - If inhaled: Remov	e person to fresh air and keep comfortable for	breathing		
	lenses, if present and easy to d	inse cautiously with water for several minutes	s. Remove contact		
		or doctor/physician if you feel unwell			
		upplemental first aid instructions on this label	1)		
	P330 - Rinse mouth				
		curs: Get medical advice/attention			
	P337+P313 - If eye irritation pe	sists: Get medical advice/attention			
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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
BE01 Dispose of contents/container to an approved waste disposed plant

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 ingredients

3.1. Substance

Substance type : Mono-constituent

Substance type	: Mo	ono-constituent		
Name		Product identifier	%	Classification (GHS-US)
3-Bromo-2,5-difluorophenol (Main constituent)		(CAS No) 1783357-67-4	<= 100	Acute Tox. 3 (Oral), H301 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 measure	S			
4.1. Description of first aid meas	ures			
First-aid measures general		case of accident or if you feel unwe here possible). Move the affected pe		
First-aid measures after inhalation		move person to fresh air and keep spiration. Get immediate medical ac		thing. If not breathing, give artificial
First-aid measures after skin contact	: Wa	ash with plenty of soap and water.	Get immediate medic	al advice/attention.
First-aid measures after eye contact		mediately flush eyes thoroughly wit esent and easy to do. Continue rins		5 minutes. Remove contact lenses, if nedical advice/attention.
First-aid measures after ingestion		NOT induce vomiting. Never give both out with water. Get immediate		
4.2. Most important symptoms a	nd effects, bo	th acute and delayed		
Symptoms/injuries		e most important known symptoms 2) and/or in section 11.	and effects are desc	ribed in the labelling (see section
4.3. Indication of any immediate	medical atten	tion and special treatment neede	d	
Treat symptomatically.				
SECTION 5: Firefighting meas	ures			
5.1. Extinguishing media				
Suitable extinguishing media		cohol resistant foam. Carbon dioxid propriate for surrounding fire.	e. Dry powder. Water	r spray. Use extinguishing media
5.2. Special hazards arising from	the substand	e or mixture		
Fire hazard	: Th	ermal decomposition generates: Ca	arbon oxides. Hydrog	en bromide. Hydrogen fluoride.
5.3. Advice for firefighters				

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 measures				
6.1.	Personal precautions, protective equipment and emergency procedures			
General r	neasures	Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.		
6.1.1.	For non-emergency personnel			
Emergen	cy procedures	Only qualified personnel equipped with suitable protective equipment may intervene.		
6.1.2.	For emergency responders			
Protective	e equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".		

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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	ment 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		
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, inclu	Iding 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/pe	rsonal 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: Ph	ysical and	chemical	properties

9.1. Information on basic physical an	d chemical 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 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

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Relative vapor density at 20 °C	: No data available
Molecular mass	: 208.988 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

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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 additional information available			
10.4.	Conditions to avoid		
Keep a	way from heat, sparks and flame.		
10.5.	Incompatible materials		
Strong oxidizing agents.			

Hazardous decomposition products 10.6.

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	3			
Acute toxicity	: Oral: Toxic 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.			
On a sifing terment annual terrisity (respected)				

Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECT	ION 12: Ecological information	
12.1.	Toxicity	
No additional information available		
12.2.	Persistence and degradability	
No addi	itional information available	
12.3.	Bioaccumulative potential	
No additional information available		
12.4.	Mobility in soil	
No addi	tional information available	

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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	is
13.1. Waste treatment methods	
Waste treatment methods Waste disposal recommendations Additional information	 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.
SECTION 14: Transport information	
Department of Transportation (DOT)	
In accordance with DOT	
Transport document description	: UN2811 Toxic solids, organic, n.o.s., 6.1, III
UN-No.(DOT)	: UN2811
Proper Shipping Name (DOT)	: Toxic solids, organic, n.o.s.
Transport hazard class(es) (DOT)	: 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132
Hazard labels (DOT)	: 6.1 - Poison
	6
Packing group (DOT)	: III - Minor Danger
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 213
DOT Packaging Bulk (49 CFR 173.xxx)	: 240
DOT Symbols	: G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	 IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP3 - Flexible IBCs must be sift-proof and water-resistant or must be fitted with a sift-proof and water-resistant liner. T1 - 1.5 178.274(d)(2) Normal 178.275(d)(2) TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 153
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 100 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 200 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Other information	: No supplementary information available.
TDG	
No additional information available	
Transport by sea	
	- 2811

UN-No. (IMDG)

: 2811

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Proper Shipping Name (IMDG)	: TOXIC SOLID, ORGANIC, N.O.S.
Class (IMDG)	: 6.1 - Toxic substances
Packing group (IMDG)	: III - substances presenting low danger
Air transport	
UN-No. (IATA)	: 2811
Proper Shipping Name (IATA)	: Toxic solid, organic, n.o.s.
Class (IATA)	: 6.1 - Toxic Substances
Packing group (IATA)	: III - Minor Danger

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:

	3-Bromo-2,5-difluorophenol	CAS No 1783357-67-4	100%
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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:

	Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
	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
	H301	Toxic 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.



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HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
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.