

3-Bromo-4-fluorophenol Safety Data Sheet 2601B34 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/21/2020 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 3-Bromo-4-fluorophenol
CAS No	: 27407-11-0
Product code	: 2601-B-34
Formula	: 190.998
Other means of identification	: MFCD03425884
I.2. Relevant identified uses of the sub	bstance 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 safet	y data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.c	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	n
2.1. Classification of the substance or	
Classification (GHS-US)	
	inhaled
Eye Irrit. 2AH319 - Causes seSTOT SE 3H335 - May cause	in irritation
Eye Irrit. 2A H319 - Causes se	xin irritation erious eye irritation
Eye Irrit. 2A H319 - Causes se STOT SE 3 H335 - May cause Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	tin irritation erious eye irritation e respiratory irritation
Eye Irrit. 2A H319 - Causes se STOT SE 3 H335 - May cause Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	<pre>stin irritation erious eye irritation e respiratory irritation : : : GHS07</pre>
Eye Irrit. 2A H319 - Causes se STOT SE 3 H335 - May cause Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	tin irritation erious eye irritation e respiratory irritation
Eye Irrit. 2A H319 - Causes se STOT SE 3 H335 - May cause Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	 tin irritation erospiratory irritation e respiratory irritation :

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention 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				
lo additional information available				
2.4. Unknown acute toxicity (GHS U	S)			
Not applicable				
SECTION 3: Composition/information	ation on in	gredients		
3.1. Substance				
Substance type	: Mono	o-constituent		
Name		Product identifier % Classification (GHS-US)		
3-Bromo-4-fluorophenol (Main constituent)		(CAS No) 27407-11-0	<= 100	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 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				
.1. Description of first aid measure				
irst-aid measures general	where	se of accident or if you feel unwell, seek e possible). Move the affected personnel	away from the	contaminated area.
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				
irst-aid measures after eye contact	present and easy to do. Continue rinsing. Get immediate medical advice/attention.			
irst-aid measures after ingestion		OT induce vomiting. Never give anything h out with water. Get immediate medical		
.2. Most important symptoms and e	effects, both	acute and delayed		
Symptoms/injuries		nost important known symptoms and effe and/or in section 11.	ects are describ	ed in the labelling (see section
.3. Indication of any immediate me	dical attentio	n and special treatment needed		
reat symptomatically.				
SECTION 5: Firefighting measure	S			
5.1. Extinguishing media				
Suitable extinguishing media		nol resistant foam. Carbon dioxide. Dry popriate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
5.2. Special hazards arising from the	e substance	or mixture		
Fire hazard	: Therr	mal decomposition generates: Carbon ox	ides. Hydrogen	bromide. Hydrogen fluoride.
Explosion hazard		of explosion if heated under confinement iners.	. Use water spr	ay or fog for cooling exposed
.3. Advice for firefighters				
Firefighting instructions	: In cas	se of fire: Evacuate area. Fight fire remo	ely due to the r	isk of explosion.
Protection during firefighting		gas tight chemically protective clothing i ratus. For further information refer to sec		
SECTION 6: Accidental release m				
5.1. Personal precautions, protective				
Seneral measures		uate unnecessary personnel. Ensure ade r or spray.	equate air ventil	ation. Do not breathe gas, fumes,

01/21/2021

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.1.1. For non-emergency personnel	
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.
6.1.2. For emergency responders	
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 precautions	

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for contain	nent 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 sections	
No additional information available	
CECTION 7. Handling and starses	

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 fumes, mist, spray, vapors. 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	ding 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: Ex	posure 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 phys	ical 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	: 78 °C (@ 0.5 mm Hg)

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Flash point	: 99 °C
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	: 191.00 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

110 000					
SECT	SECTION 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 add	itional information available				
10.4.	Conditions to avoid				
Keep a	way from heat, sparks and flame.				
10.5.	Incompatible materials				
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 11: Toxicological information Information on toxicological effects 11.1. Acute toxicity : Oral: Harmful if swallowed. Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.

-	
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

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 12: Ecological information				
12.1.	Toxicity			
No add	itional information available			
12.2.	Persistence and degradability			
No additional information available				
12.3.	Bioaccumulative potential			
No add	No additional information available			
12.4.	Mobility in soil			
No additional information available				
12.5.	Other adverse effects			
No add	itional information available			

SECTION 13: Disposal considerations				
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.			

Department of Transportation (DOT)

SECTION 14: Transport information

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:

	3-Bromo-4-fluorophenol	CAS No 27407-11-0	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

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 16: Other information

Full tex	t of H-phrases:			
	Acute Tox. 4 (Dermal)		Acute toxicity (dermal) Category 4	
	Acute Tox. 4 (Inhalation)		Acute toxicity (inhalation) Category 4	
	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	
	H312		Harmful in contact with skin	
	H315		Causes skin irritation	
	H319		Causes serious eye irritation	
	H332		Harmful if inhaled	
	H335		May cause respiratory irritation	
NFPA fire hazard : 2 - Must be mode		residual injury even though given.	re could cause serious temporary or en though prompt medical attention was erately heated or exposed to relatively high	
NFPA reactivity : 0 - Normally		1 0	rmally stable, even under fire exposure conditions,	
HMIS I	II Rating			
Health : 2 Moderate Haz		: 2 Moderate Hazard - Tem	rd - Temporary or minor injury may occur	
temperatures before igr			erials which must be moderately heated or exposed to high ambient on will occur. Includes liquids having a flash point at or above 100 F i II & IIIA)	
			ials that are normally stable, even under fire conditions, and will NOT ze, 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.