

2-Bromo-5-fluorobenzoic acid

Safety Data Sheet 2621B25 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/31/2015 Version: 1.0

SECTION 1: Identification .1. Identification	
Product form	: Substance
Substance name	: 2-Bromo-5-fluorobenzoic acid
CAS No	: 394-28-5
Product code	: 2621-B-25
ormula	: C7H4BrFO2
other means of identification	: MFCD00142874
.2. Relevant identified uses of the su	ubstance or mixture and uses advised against
Ise of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
.3. Details of the supplier of the safe	ety data sheet
ynQuest Laboratories, Inc.	
P.O. Box 309 Ilachua, FL 32615 - United States of America (386) 462-0788 - F (386) 462-7097	
16@synquestlabs.com - www.synquestlabs.	<u>.com</u>
.4. Emergency telephone number	: (844) 523-4086 (3E Company - Account 10069)
mergency number	: (844) 523-4086 (3E Company - Account 10069)
ECTION 2: Hazard(s) identification	on
.1. Classification of the substance o	
lassification (GHS-US)	
STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16	
Full text of H-phrases: see section 16	
TOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16 	
STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	y irritation
STOT SE 3 H335 - May cause respiratory Full text of H-phrases: see section 16	y irritation : CHS07

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2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS U	JS)			
Not applicable				
SECTION 3: Composition/inform	nation on ingr	edients		
3.1. Substance				
Substance type	: Mono-co	onstituent		
Name	1	Product identifier	%	Classification (GHS-US)
2-Bromo-5-fluorobenzoic acid (Main constituent)	(CAS No) 394-28-5	<= 100	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				
I.1. Description of first aid measur				
irst-aid measures general	where p	ossible). Move the affected	d personnel away from	
First-aid measures after inhalation		e person to fresh air and ke on. Get medical advice/att		athing. If not breathing, give artificial
First-aid measures after skin contact		ith plenty of soap and wate		
First-aid measures after eye contact	present	and easy to do. Continue	rinsing. Get medical ad	
First-aid measures after ingestion		induce vomiting. Never gi out with water. Get medical		o an unconscious person. Rinse
4.2. Most important symptoms and	effects, both ac	ute and delayed		
Symptoms/injuries		st important known sympto I/or in section 11.	oms and effects are des	cribed in the labelling (see section
4.3. Indication of any immediate mo	edical attention a	and special treatment ne	eded	
Treat symptomatically.				
SECTION 5: Firefighting measur	es			
5.1. Extinguishing media				
Suitable extinguishing media		resistant foam. Carbon dic iate for surrounding fire.	oxide. Dry powder. Wat	er spray. Use extinguishing media
5.2. Special hazards arising from the	ne substance or	mixture		
Fire hazard			: Carbon oxides. Hydro	gen bromide. Hydrogen fluoride.
Advice for firefighters			,	
Firefighting instructions	: In case	of fire: Evacuate area.		
Protection during firefighting			ve clothing in combinati	on with self contained breathing
5 5 5				osure controls/personal protection".
SECTION 6: Accidental release I	measures			
5.1. Personal precautions, protectiv		d emergency procedure	S	
Seneral measures				entilation. Do not breathe dust.
	40000			
6.1.1. For non-emergency personnel				
Emergency procedures	: Only qu	alified personnel equipped	with suitable protective	e equipment may intervene.
6.1.2. For emergency responders				
Protective equipment		attempt to take action witho section 8: "Exposure contr		equipment. For further information
6.2. Environmental precautions				
Avoid release to the environment. Notify au	thorities if produc	t enters sewers or public v	vaters.	
5.3. Methods and material for conta	ainment and clea	ining up		
For containment		ak if safe to do so.		
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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 set	ections
No additional information availab	le
SECTION 7: Handling ar	d 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 s	torage, 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 physical a	nd chemical properties	
Physical state	: Solid	
Color	: No data available	
Odor	: No data available	
Odor threshold	: No data available	
pH	: No data available	
Melting point	: 154 - 157 °C	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: > 110 °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	: 219.01 g/mol	
Solubility	: No data available	
Log Pow	: No data available	

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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 hand	dling and storage conditions.
10.3. Possibility of hazardous	reactions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and fla	ame.
10.5. Incompatible materials	
Strong oxidizing agents.	
10.6. Hazardous decomposition	on products
Under normal conditions of storage a fire, see Section 5.	and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological	l information
11.1. Information on toxicolog	jical effects
Acute toxicity	: Not classified

Acute toxicity	: Not classified
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

SECTION	12: Ecological information
12.1. Tox	cicity contract of the second s
No additional	information available
12.2. Per	sistence and degradability
No additional	information available
12.3. Bio	accumulative potential
No additional	information available
12.4. Mo	bility in soil
No additional	information available
12.5. Oth	er adverse effects
No additional	information available

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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.	

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:

	2-Bromo-5-fluorobenzoic acid	CAS No 394-28-5	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:

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
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

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NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 0 - Materials that will not burn.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 0 Minimal Hazard - Materials that will not burn
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.