

Safety Data Sheet 2617B38 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 07/16/2019 Version: 1.0

SECTION 4. Identification	
SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 3'-Bromo-2'-methoxy-2,2,2-trifluoroacetophenone
CAS No	: 1820639-77-7
Product code	: 2617-B-38
Formula	: C9H6BrF3O2
Synonyms	: 1-(3-Bromo-2-methoxyphenyl)-2,2,2-trifluoroethan-1-one; 2-Bromo-6-(trifluoroacetyl)anisole
Other means of identification	: MFCD26407434
1.2. Relevant identified uses	of the substance 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 safety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States o T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.syng	7
1.4. Emergency telephone nu	Imber
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) iden	tification
2.1. Classification of the sub	
Classification (GHS-US)	
Acute Tox. 4 (Oral) Acute Tox. 4 (Inhalation:dust,mist) Skin Irrit. 2 Eye Irrit. 2A STOT SE 3 Full text of H-phrases: see section 10	H302 - Harmful if swallowed H332 - Harmful if inhaled H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Full text of H-prilases. See Section In	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	: GHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H302+H332 - Harmful if swallowed or if inhaled H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Precautionary statements (GHS-US)	 P264 - Wash skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you feel unwell P302+P352 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P330 - Rinse mouth
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Other hazards additional information available			to all approved waste	e disposal plant
additional information available				
I. Unknown acute toxicity (GHS US))			
t applicable				
ECTION 3: Composition/informat	ion on in	gredients		
. Substance				
bstance type	: Mono	o-constituent		
lame		Product identifier	%	Classification (GHS-US)
'-Bromo-2'-methoxy-2,2,2-trifluoroacetophenone Main constituent)		(CAS No) 1820639-77-7	<= 100	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Il text of H-phrases: see section 16				
2. Mixture				
t applicable				
ECTION 4: First aid measures				
Description of first aid measures				
st-aid measures general		se of accident or if you feel unwe e possible). Move the affected p		
st-aid measures after inhalation	respir	ration. Get immediate medical a	dvice/attention.	hing. If not breathing, give artificial
st-aid measures after skin contact		h with plenty of soap and water.		
st-aid measures after eye contact	prese	ent and easy to do. Continue rins	sing. Get immediate m	
st-aid measures after ingestion	mout	OT induce vomiting. Never give h out with water. Get immediate		
2. Most important symptoms and ef	,			where the state of
mptoms/injuries	2.2) a	and/or in section 11.		ribed in the labelling (see section
 Indication of any immediate medi eat symptomatically. 	cal attentio	n and special treatment neede	ed	
ECTION 5: Firefighting measures				
Extinguishing media				
itable extinguishing media		nol resistant foam. Carbon dioxid opriate for surrounding fire.	le. Dry powder. Water	r spray. Use extinguishing media
2. Special hazards arising from the	substance (or mixture		
e hazard	: Therr	mal decomposition generates: C	arbon oxides. Hydrog	en bromide. Hydrogen fluoride.
3. Advice for firefighters				
efighting instructions	: In cas	se of fire: Evacuate area.		
otection during firefighting		r gas tight chemically protective or ratus. For further information reference	0	n with self contained breathing sure controls/personal protection".
ECTION 6: Accidental release me	asures			
Personal precautions, protective	equipment	and emergency procedures		
	: Evac		nsure adequate air ver	ntilation. Do not breathe dust. Do not
eneral measures	breat	he gas, fumes, vapor or spray.		
eneral measures	breat	ne gas, tumes, vapor or spray.		
		ne gas, tumes, vapor or spray. qualified personnel equipped wi	th suitable protective	əquipment may intervene.

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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".
6.2. Environmental precautions	
Avoid release to the environment. Notify authors	orities 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. Dike for recovery or absorb with appropriate material.
Methods for cleaning up	: Minimize generation of dust. 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	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Ŭ	. Do not handle until all safety procesutions have been read and understand. Ensure read
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, 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	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.
	Refer to Section 10 on Incompatible Materials.Store in dry, cool, well-ventilated area.
Storage area	: Store in dry, cool, well-ventilated area.
Incompatible materials Storage area SECTION 8: Exposure controls/pe	: Store in dry, cool, well-ventilated area.
Storage area SECTION 8: Exposure controls/pe 8.1. Control parameters	: Store in dry, cool, well-ventilated area.
Storage area SECTION 8: Exposure controls/pe	: Store in dry, cool, well-ventilated area.
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Storage area SECTION 8: Exposure controls/pe 8.1. Control parameters No additional information available 8.2. Exposure controls Appropriate engineering controls Hand protection	Store in dry, cool, well-ventilated area. Srsonal protection 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.
Storage area SECTION 8: Exposure controls/pe 8.1. Control parameters No additional information available 8.2. Exposure controls Appropriate engineering controls Hand protection Eye protection	 Store in dry, cool, well-ventilated area. rsonal protection 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. Protective gloves. 29 CFR 1910.138: Hand Protection.
Storage area SECTION 8: Exposure controls/pe 8.1. Control parameters No additional information available 8.2. Exposure controls Appropriate engineering controls Hand protection Eye protection Skin and body protection	 Store in dry, cool, well-ventilated area. rsonal protection 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. Protective gloves. 29 CFR 1910.138: Hand Protection. Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Storage area SECTION 8: Exposure controls/pe 8.1. Control parameters No additional information available 8.2. Exposure controls Appropriate engineering controls Hand protection Eye protection Skin and body protection Respiratory protection	 Store in dry, cool, well-ventilated area. rsonal protection 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. Protective gloves. 29 CFR 1910.138: Hand Protection. Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection. Wear suitable protective clothing. In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory
Storage area SECTION 8: Exposure controls/pe 8.1. Control parameters No additional information available 8.2. Exposure controls Appropriate engineering controls Hand protection Eye protection Skin and body protection Respiratory protection Other information	 Store in dry, cool, well-ventilated area. rsonal protection 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. Protective gloves. 29 CFR 1910.138: Hand Protection. Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection. Wear suitable protective clothing. In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection. Safety shoes. 29 CFR 1910.136: Foot Protection.
Storage area SECTION 8: Exposure controls/pe 8.1. Control parameters No additional information available 8.2. Exposure controls Appropriate engineering controls Hand protection Eye protection Skin and body protection Respiratory protection Other information SECTION 9: Physical and chemica	 Store in dry, cool, well-ventilated area. Frsonal protection 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. Protective gloves. 29 CFR 1910.138: Hand Protection. Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection. Wear suitable protective clothing. In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection. Safety shoes. 29 CFR 1910.136: Foot Protection.
Storage area SECTION 8: Exposure controls/pe 8.1. Control parameters No additional information available 8.2. Exposure controls Appropriate engineering controls Hand protection Eye protection Skin and body protection Respiratory protection Other information SECTION 9: Physical and chemica 9.1. Information on basic physical and	 Store in dry, cool, well-ventilated area. Frsonal protection 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. Protective gloves. 29 CFR 1910.138: Hand Protection. Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection. Wear suitable protective clothing. In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection. Safety shoes. 29 CFR 1910.136: Foot Protection.
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Storage area SECTION 8: Exposure controls/pe 8.1. Control parameters No additional information available 8.2. Exposure controls Appropriate engineering controls Hand protection Eye protection Skin and body protection Respiratory protection Other information SECTION 9: Physical and chemica 9.1. Information on basic physical and Physical state Appearance	 Store in dry, cool, well-ventilated area. Frsonal protection 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. Protective gloves. 29 CFR 1910.138: Hand Protection. Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection. Wear suitable protective clothing. In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection. Safety shoes. 29 CFR 1910.136: Foot Protection.
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Storage area SECTION 8: Exposure controls/pe 8.1. Control parameters No additional information available 8.2. Exposure controls Appropriate engineering controls Hand protection Eye protection Skin and body protection Respiratory protection Other information SECTION 9: Physical and chemica 9.1. Information on basic physical and Physical state Appearance Color Odor Odor threshold	 Store in dry, cool, well-ventilated area. Frsonal protection 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. Protective gloves. 29 CFR 1910.138: Hand Protection. Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection. Wear suitable protective clothing. In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection. Safety shoes. 29 CFR 1910.136: Foot Protection.
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Storage area SECTION 8: Exposure controls/pe 8.1. Control parameters No additional information available 8.2. Exposure controls Appropriate engineering controls Hand protection Eye protection Skin and body protection Respiratory protection Other information SECTION 9: Physical and chemica 9.1. Information on basic physical and Physical state Appearance Color Odor Odor threshold pH Melting point	 Store in dry, cool, well-ventilated area. rsonal protection 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. Protective gloves. 29 CFR 1910.138: Hand Protection. Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection. Wear suitable protective clothing. In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection. Safety shoes. 29 CFR 1910.136: Foot Protection. af properties Solid Low melting solid. No data available Sol data
Storage area SECTION 8: Exposure controls/pe 8.1. Control parameters No additional information available 8.2. Exposure controls Appropriate engineering controls Hand protection Eye protection Skin and body protection Respiratory protection Other information SECTION 9: Physical and chemica 9.1. Information on basic physical and Physical state Appearance Color Odor Odor threshold pH Melting point Freezing point	 Store in dry, cool, well-ventilated area. rsonal protection 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. Protective gloves. 29 CFR 1910.138: Hand Protection. Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection. Wear suitable protective clothing. In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection. Safety shoes. 29 CFR 1910.136: Foot Protection. al properties Solid Low melting solid. No data available
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Flammability (solid, gas)

Relative evaporation rate (butyl acetate=1)

: No data available

: No data available

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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	: 283.042 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

SECTION 10: Stability and reactivity 10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Keep away from heat, sparks and flame.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

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

Acute toxicity

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: Oral: Harmful if swallowed. Inhalation:dust,mist: Harmful if inhaled.

3'-Bromo-2'-methoxy-2,2,2-trifluoroacetophe	none (1820639-77-7)
ATE US (oral)	500.000 mg/kg body weight
ATE US (dust, mist)	1.500 mg/l/4h
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

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

SECTION 13: Disposal consideration	ons
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-2'-methoxy-2,2,2-trifluoroacetophenone	CAS No 1820639-77-7	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

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SECTION 16: Other information

Full text of H-phrases:

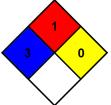
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
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,



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.

and are not reactive with water.

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.