

7-Bromo-4-chloro-1,3-benzoxazole

Safety Data Sheet 4H56D18 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 10/23/2017 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 7-Bromo-4-chloro-1,3-be	nzoxazole	
CAS No	: 1820707-32-1		
Product code	: 4H56-D-18		
Formula	: C7H3BrCINO		
Other means of identification			
	: MFCD28040522		
1.2. Relevant identified uses of the su	ubstance or mixture and uses	advised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substand Scientific research and c		
1.3. Details of the supplier of the safe	ety 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.			
1.4. Emergency telephone number		A (2000)	
Emergency number	: (844) 523-4086 (3E Con	pany - Account 10069)	
SECTION 2: Hazard(s) identification	on		
2.1. Classification of the substance of	or mixture		
Classification (GHS-US)			
Acute Tox. 4 (Oral)H302 - Harmful if swalSkin Irrit. 2H315 - Causes skin inEye Irrit. 2AH319 - Causes seriou:STOT SE 3H335 - May cause resFull text of H-phrases: see section 16	ritation s eye irritation		
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)	GHS07		
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	: H302 - Harmful if swallov H315 - Causes skin irrita H319 - Causes serious e H335 - May cause respin	tion ye irritation	
Precautionary statements (GHS-US)	P271 - Use only outdoor P280 - Wear protective of P301+P312 - If swallows P302+P352 - If on skin: P304+P340 - If inhaled: P305+P351+P338 - If in lenses, if present and ea P312 - Call a POISON Of P321 - Specific treatmer P330 - Rinse mouth P332+P313 - If skin irrita		ou feel unwell r breathing s. Remove contact
10/23/2017	EN (English US)	SDS ID: 4H56D18	Page 1

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

	P403 P405	+P364 - Take off contaminated clothing +P233 - Store in a well-ventilated place - Store locked up - Dispose of contents/container to an a	. Keep containe	r tightly closed
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/informat	ion on in	gredients		
3.1. Substance				
Substance type	: Mono	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
7-Bromo-4-chloro-1,3-benzoxazole (Main constituent)		(CAS No) 1820707-32-1	<= 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		se of accident or if you feel unwell, seek e possible). Move the affected personne		
First-aid measures after inhalation		ove person to fresh air and keep comfor ration. Get immediate medical advice/at		ng. If not breathing, give artificial
First-aid measures after skin contact	: Wash	n with plenty of soap and water. Get imm	nediate medical	advice/attention.
First-aid measures after eye contact	: Imme prese	ediately flush eyes thoroughly with water ant and easy to do. Continue rinsing. Ge	r for at least 15 r et immediate me	minutes. Remove contact lenses, if dical advice/attention.
First-aid measures after ingestion		OT induce vomiting. Never give anythin hout with water. Get immediate medica		
4.2. Most important symptoms and eff	ects, both	acute and delayed		
Symptoms/injuries	: The r	nost important known symptoms and ef and/or in section 11.	fects are describ	bed in the labelling (see section
4.3. Indication of any immediate media	cal attentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		nol resistant foam. Carbon dioxide. Dry popriate for surrounding fire.	oowder. Water s	pray. Use extinguishing media
5.2. Special hazards arising from the s	substance	or mixture		
Fire hazard	: Therr	mal decomposition generates: Carbon o gen oxides.	xides. Hydroger	n bromide. Hydrogen chloride.
5.3. Advice for firefighters				
Firefighting instructions	: In cas	se of fire: Evacuate area.		
Protection during firefighting		gas tight chemically protective clothing ratus. For further information refer to se		
SECTION 6: Accidental release me	asures			
6.1. Personal precautions, protective	equipment	and emergency procedures		
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General measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.
6.1.1. For non-emergency personnel	
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.

Safety Data Sheet

ccording to Federal Register / Vol. 77, No	o. 58 / Monday, March 26, 2012 / Rules and Regulations
6.1.2. For emergency respond	lers
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 precauti	ons
Avoid release to the environment. N	Notify authorities if product enters sewers or public waters.
6.3. Methods and material for	or containment 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 sect	ions
No additional information available	
SECTION 7: Handling and	storage
7.1. Precautions for safe ha	<u> </u>
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 stor	rage, including any incompatibilities
Technical measures	: Comply with applicable regulations.
Technical measures Storage conditions Incompatible materials	: Comply with applicable regulations.
Storage conditions	Comply with applicable regulations.Keep container closed when not in use.

Storage area	: Store in dry, cool, well-ventilated area
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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 and	I chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 134 - 136 °C
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

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

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	: 232.46 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	FION 10: Stability and reactivity
10.1.	Reactivity
No add	litional information available
10.2.	Chemical stability
The pro	oduct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No add	litional 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
Under i	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of

Jnder normal cond se, nazardous decomposition products snould not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTION 11: Toxicological information

Information on toxicological effects 11.1.

Acute toxicity	: Oral: Harmful 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.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTI	ON 12: Ecological informatio	n		
12.1.	Toxicity			
No addit	tional information available			
12.2.	Persistence and degradability			
No addit	tional information available			
12.3.	Bioaccumulative potential			
No addit	tional information available			
10/23/201	17	EN (English US)	SDS ID: 4H56D18	4/6

Safety Data Sheet

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

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

13.1. Waste treatment methods		
Waste treatment methods	: Remove to an authorized incinerator equipped with an a	fterburner and a flue gas scrubber.
Waste disposal recommendations	: Dispose of contents/container in accordance with license	ed collector's sorting instructions.
Additional information	: Recycle the material as far as possible.	
SECTION 14: Transport information	n en	
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		
	on	
SECTION 15: Regulatory information	on	
SECTION 15: Regulatory informations	xcluded from listing, on the United States Environmental Prote	ection Agency Toxic
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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

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

Full text of H-phrases:			
	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
	H335		May cause respiratory irritation
NFPA	nealth hazard ire hazard reactivity	 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given. 0 - Materials that will not burn. 0 - Normally stable, even under fire exposure conditions, and are not reactive with water. 	
HMIS III Rating			
Health		: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given	
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.