

Safety Data Sheet 4H56381 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 10/30/2018 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 1-Boc-3-fluoropyrrolidine-3-methylamine
CAS No	: 1228765-06-7
Product code	: 4H56-3-81
Formula	: C10H19FN2O2
Synonyms	: tert-Butyl 3-(aminomethyl)-3-fluoropyrrolidine-1-carboxylate
Other means of identification	: MFCD18375054
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 sa SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Amer T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab	rica
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
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SECTION 2: Hazard(s) identificat	
2.1. Classification of the substance	e or mixture
Classification (GHS-US)	
Acute Tox. 4 (Oral) Skin Irrit. 2 Eye Dam. 1 H302 - Harmful if sw H315 - Causes skin H318 - Causes seric	irritation bus eye damage
Acute Tox. 4 (Oral)H302 - Harmful if swSkin Irrit. 2H315 - Causes skinEye Dam. 1H318 - Causes sericSTOT SE 3H335 - May cause reFull text of H-phrases: see section 16	irritation bus eye damage
Acute Tox. 4 (Oral)H302 - Harmful if swSkin Irrit. 2H315 - Causes skinEye Dam. 1H318 - Causes sericSTOT SE 3H335 - May cause reFull text of H-phrases: see section 162.2.Label elements	irritation bus eye damage
Acute Tox. 4 (Oral) H302 - Harmful if sw. Skin Irrit. 2 H315 - Causes skin Eye Dam. 1 H318 - Causes seric STOT SE 3 H335 - May cause response Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	irritation bus eye damage
Acute Tox. 4 (Oral) H302 - Harmful if sw. Skin Irrit. 2 H315 - Causes skin Eye Dam. 1 H318 - Causes seric STOT SE 3 H335 - May cause response Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	irritation bus eye damage
Acute Tox. 4 (Oral) H302 - Harmful if sw. Skin Irrit. 2 H315 - Causes skin Eye Dam. 1 H318 - Causes seric STOT SE 3 H335 - May cause re Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	irritation bus eye damage espiratory irritation
Acute Tox. 4 (Oral)H302 - Harmful if swSkin Irrit. 2H315 - Causes skinEye Dam. 1H318 - Causes sericSTOT SE 3H335 - May cause reFull text of H-phrases: see section 16	irritation bus eye damage espiratory irritation
Acute Tox. 4 (Oral) H302 - Harmful if sw Skin Irrit. 2 H315 - Causes skin Eye Dam. 1 H318 - Causes seric STOT SE 3 H335 - May cause re Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US)	 irritation bus eye damage espiratory irritation : irritation : irritation : GHS05 : GHS07 : Danger : H302 - Harmful if swallowed H315 - Causes skin irritation H318 - Causes serious eye damage

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2.3. Other hazards No additional information available 2.4. Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/information 3.1. Substance				
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Not applicable SECTION 3: Composition/information 3.1. Substance				
SECTION 3: Composition/informationation/informationationation/informationationationationationationationation	•			
3.1. Substance				
	on on i	ngredients		
Cubatanaa tura				
Substance type	: Mor	no-constituent		
Name		Product identifier	%	Classification (GHS-US)
1-Boc-3-fluoropyrrolidine-3-methylamine (Main constituent)		(CAS No) 1228765-06-7 <= 100 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 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		In case of accident or if you feel unwell, seek medical advice immediately (show the label where 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		sh with plenty of soap and water. Get ir		
First-aid measures after eye contact	pres	nediately flush eyes thoroughly with was sent and easy to do. Continue rinsing.	Get immediate m	nedical advice/attention.
First-aid measures after ingestion		Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get immediate medical advice/attention.		
4.2. Most important symptoms and effe				
Symptoms/injuries	: The 2.2)	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.		
4.3. Indication of any immediate medic	al attenti	on and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media		: Alcohol resistant foam. Carbon dioxide. Dry powder. Water spray. Use extinguishing media appropriate for surrounding fire.		
5.2. Special hazards arising from the su	ubstance	or mixture		
Fire hazard		: Thermal decomposition generates: Carbon oxides. Hydrogen fluoride. Nitrogen oxides.		
Explosion hazard		: Risk of explosion if heated under confinement. Use water spray or fog for cooling exposed containers.		
5.3. Advice for firefighters				
Firefighting instructions	: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.			
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 mea	sures			
	quipmen	t and emergency procedures		
6.1. Personal precautions, protective e		 Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe gas, fumes, vapor or spray. 		
6.1. Personal precautions, protective en General measures			adequate air ver	ntilation. Do not breathe gas, tumes,
			adequate air ver	ntilation. Do not breathe gas, fumes,

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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".		
Emerger	ncy procedures	: Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level.		
6.2.	Environmental precautions			
Avoid re	lease to the environment. Notify author	ities if product enters sewers or public waters.		
6.3.	Methods and material for containm	nent and cleaning up		
For cont	ainment	: Stop leak if safe to do so. Dike for recovery or absorb with appropriate material.		
Methods	s 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 inf	formation	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".		
6.4.	Reference to other sections			
No addit	tional information available			
SECTI	ON 7: Handling and storage			
7.1.	Precautions for safe handling			
Precauti	ions 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.	2. Conditions for safe storage, including any incompatibilities			
Technica	al measures	: Comply with applicable regulations.		
Storage conditions		: Keep container closed when not in use.		
Storage	Conditions			
-	atible materials	: Refer to Section 10 on Incompatible Materials.		

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	chemical properties
Physical state	: Liquid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: 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

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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	: 218.2685 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	ION 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	acids. Strong bases. Strong oxidizing agents.
10.6.	Hazardous decomposition products
Under r	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

Information on toxicological effects 11.1.

Acute toxicity

: Oral: Harmful if swallowed.

1-Boc-3-fluoropyrrolidine-3-methylamine (1228765-06-7)		
ATE US (oral)	500.000 mg/kg body weight	
Skin corrosion/irritation	: Causes skin irritation.	
Serious eye damage/irritation	: Causes serious eye damage.	
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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SECTION 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 addit	tional information available	
12.5.	Other adverse effects	
	tional 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:

1-Boc-3-fluoropyrrolidine-3-methylamine CAS No 1228765-06-7 100%		

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

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SECTION 16: Other information

Full text of H-phrases:

i un tex	a ur r-pritabes.		
	Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4
	Eye Dam. 1		Serious eye damage/eye irritation Category 1
	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
	H318		Causes serious eye damage
	H335		May cause respiratory irritation
incapacitation or possible medical attention is giveNFPA fire hazard: 0 - Materials that will notNFPA reactivity: 0 - Normally stable, even		incapacitation or possible medical attention is given.: 0 - Materials that will not be	ourn. under fire exposure conditions,
HMIS I Health	II Rating	: 3 Serious Hazard - Majo given	\checkmark or injury likely unless prompt action is taken and medical treatment is
Flamm	Flammability : 0 Minimal Hazard - Mate		rials that will not burn
Physical : 0 Minimal Hazard - Mate			rials that are normally stable, even under fire conditions, and will NOT rize, 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.