

Safety Data Sheet 8H6632M according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 04/30/2021 Version: 1.0

SECTION 1: Identification		
.1. Identification		
Product form	: Substance	
Substance name	: 3-Fluoro-2-(thiomethyl)pyridine-4-boronic acid	
Product code	: 8H66-3-2M	
formula	: C6H7BFNO2S	
ynonyms	: [3-Fluoro-2-(methylsulfanyl)pyridin-4-yl]boronic acid	
ther means of identification : MFCD21365091		
.2. Relevant identified uses of the subs	tance or mixture and uses advised against	
Jse of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development	
.3. Details of the supplier of the safety	data sheet	
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America F (386) 462-0788 - F (386) 462-7097 nfo@synquestlabs.com - www.synquestlabs.com	<u>n</u>	
.4. Emergency telephone number		
Emergency number	: (844) 523-4086 (3E Company - Account 10069)	
SECTION 2: Hazard(s) identification		
.1. Classification of the substance or n	nixture	
Classification (GHS-US)		
Eye Irrit. 2A H319 - Causes serious eye irrita STOT SE 3 H335 - May cause respiratory irr Full text of H-phrases: see section 16 2.2. Label elements		
GHS-US labeling		
lazard pictograms (GHS-US)	: GHS07	
Signal word (GHS-US)	: Warning	
lazard statements (GHS-US)	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation	
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing dust, mist, spray</li> <li>P264 - Wash skin thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection</li> <li>P302+P352 - If on skin: Wash with plenty of soap and water</li> <li>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact</li> <li>lenses, if present and easy to do. Continue rinsing</li> <li>P312 - Call a POISON CENTER or doctor/physician if you feel unwell</li> <li>P321 - Specific treatment (see supplemental first aid instructions on this label)</li> <li>P332+P313 - If skin irritation occurs: Get medical advice/attention</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse</li> </ul>	

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

2.3. Other hazards				
lo additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/informati	on on in	aredients		
3.1. Substance		5		
Substance type	: Mono	p-constituent		
Name		Product identifier	%	Classification (GHS-US)
3-Fluoro-2-(thiomethyl)pyridine-4-boronic acid (Main constituent)			<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16				0101 02 0, 1000
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 personnel		
First-aid measures after inhalation		ove person to fresh air and keep comforta ration. Get medical advice/attention.	able for breathir	g. If not breathing, give artificial
First-aid measures after skin contact		n with plenty of soap and water. Get med		
First-aid measures after eye contact	prese	Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical 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 medical advice/attention.		
4.2. Most important symptoms and effe	ects, both			
Symptoms/injuries		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 attentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
		nol resistant foam. Carbon dioxide. Dry po opriate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
Suitable extinguishing media	appro	opriate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
Suitable extinguishing media 5.2. Special hazards arising from the s	appro ubstance : Therr	opriate for surrounding fire.		
Suitable extinguishing media 5.2. Special hazards arising from the s Fire hazard	appro ubstance : Therr	opriate for surrounding fire. or mixture nal decomposition generates: Borane/bo		
Suitable extinguishing media 5.2. Special hazards arising from the s Fire hazard 5.3. Advice for firefighters	appro ubstance : Therr Nitroo	opriate for surrounding fire. or mixture nal decomposition generates: Borane/bo		
Suitable extinguishing media 5.2. Special hazards arising from the s Fire hazard 5.3. Advice for firefighters Firefighting instructions	appro ubstance : Therr Nitros : In cas : Wear	opriate for surrounding fire. or mixture nal decomposition generates: Borane/bo gen oxides. Sulfur oxides.	ron oxides. Carl n combination v	bon oxides. Hydrogen fluoride.
Suitable extinguishing media         5.2.       Special hazards arising from the s         Fire hazard         5.3.       Advice for firefighters         Firefighting instructions         Protection during firefighting         SECTION 6: Accidental release means	appro ubstance ( : Therr Nitrog : In cas : Wear appa asures	opriate for surrounding fire. or mixture mal decomposition generates: Borane/bo gen oxides. Sulfur oxides. se of fire: Evacuate area. gas tight chemically protective clothing i ratus. For further information refer to sec	ron oxides. Carl n combination v	bon oxides. Hydrogen fluoride.
Suitable extinguishing media 5.2. Special hazards arising from the s Fire hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release med 5.1. Personal precautions, protective e	appro ubstance of : Therr Nitrog : In cas : Wear appa asures equipment	opriate for surrounding fire. or mixture mal decomposition generates: Borane/bo gen oxides. Sulfur oxides. se of fire: Evacuate area. <sup>1</sup> gas tight chemically protective clothing i ratus. For further information refer to sec and emergency procedures	ron oxides. Carl n combination v tion 8: "Exposur	bon oxides. Hydrogen fluoride. vith self contained breathing re controls/personal protection".
Suitable extinguishing media 5.2. Special hazards arising from the s Fire hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release met 6.1. Personal precautions, protective e	appro ubstance of : Therr Nitrog : In cas : Wear appa asures equipment	opriate for surrounding fire. or mixture mal decomposition generates: Borane/bo gen oxides. Sulfur oxides. se of fire: Evacuate area. gas tight chemically protective clothing i ratus. For further information refer to sec	ron oxides. Carl n combination v tion 8: "Exposur	bon oxides. Hydrogen fluoride. vith self contained breathing re controls/personal protection".
Suitable extinguishing media 5.2. Special hazards arising from the s Fire hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release mea 5.1. Personal precautions, protective e General measures	appro ubstance of : Therr Nitrog : In cas : Wear appa asures equipment	opriate for surrounding fire. or mixture mal decomposition generates: Borane/bo gen oxides. Sulfur oxides. se of fire: Evacuate area. <sup>1</sup> gas tight chemically protective clothing i ratus. For further information refer to sec and emergency procedures	ron oxides. Carl n combination v tion 8: "Exposur	bon oxides. Hydrogen fluoride. vith self contained breathing re controls/personal protection".
Suitable extinguishing media 5.2. Special hazards arising from the s Fire hazard 5.3. Advice for firefighters Firefighting instructions Protection during firefighting SECTION 6: Accidental release mea 6.1. Personal precautions, protective e General measures	appro ubstance ( : Therr Nitrog : In cas : Wear appa asures equipment : Evac	opriate for surrounding fire. or mixture mal decomposition generates: Borane/bo gen oxides. Sulfur oxides. se of fire: Evacuate area. <sup>1</sup> gas tight chemically protective clothing i ratus. For further information refer to sec and emergency procedures	ron oxides. Carl n combination v tion 8: "Exposur equate air ventila	bon oxides. Hydrogen fluoride. vith self contained breathing e controls/personal protection".

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

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

6.3. Methods and material for 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 sections		
No additional information available		
SECTION 7: Handling and storage		

7.1. F	Precautions for safe handling	
Precaution	s 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 m	easures	: 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, including any incompatibilities		ng any incompatibilities
Technical r	measures	: Comply with applicable regulations.
Storage co	nditions	: Keep container closed when not in use.
Incompatib	le 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 an	d chemical properties
Physical state	: Solid
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
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	: 187.00 g/mol

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

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

#### Other information 9.2.

No additional information available

<b>SECTION 10: Stability and reactivity</b>			
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	3		
Under normal conditions of storage and use, haz fire, see Section 5.	zardous decomposition products should not be produced. Hazardous decomposition products in case of		
SECTION 11: Toxicological informat	ion		
11.1. Information on toxicological effects			
TT.T. Information on toxicological enects			
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 : Not classified exposure)

Aspiration hazard

: Not classified

SECT	ION 12: Ecological information	on		
12.1.	Toxicity			
No add	litional information available			
12.2.	Persistence and degradability			
No add	litional information available			
12.3.	Bioaccumulative potential			
No add	litional information available			
12.4.	Mobility in soil			
No add	litional information available			
12.5.	Other adverse effects			
No additional information available				
04/30/20	021	EN (English US)	SDS ID: 8H6632M	4/6

Safety Data Sheet

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

SECTION 13: Disposal consideration	IS	
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		
<b>SECTION 15: Regulatory information</b>	n en	
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-Fluoro-2-(thiomethyl)pyridine-4-boronic acid	CAS No	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

### SECTION 16: Other information

Full text of H-phrases:

Serious eye damage/eye irritation Category 2A
Skin corrosion/irritation Category 2
Specific target organ toxicity (single exposure) Category 3
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation

Safety Data Sheet

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

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.