

3-Fluoro-5-(trifluoromethyl)benzeneboronic acid

Safety Data Sheet 68603X0 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 10/05/2015 Version: 1.0

.1 Identification Product form Substance Substance name Substance Supromyms Substance Supromyms Substance or mixture and uses advised against Substance/mixture Substance or mixture and uses advised against Supromyms Laboratory chemicals Manufacture of substances Scientific research and development .3. Details of the supplier of the safety data sheet SynQuest Laboratories, Inc. Supstance 2 rows .0. Box 300 Keet 2 rows side 42.078 × 1000 Keet 2 rows side 12.078 × 1628 × 1000 Keet 2 rows singend sec 7 rest 2 rows Keet 2 rows singend sec 7 rest 2 rows Keet 2 rows singend sec 7 rest 2 rows Keet 2 rows singend sec 7 rest 2 rows Keet 2 rows Singend sec 7 rest 2 rows Keet 2 rows	SECTION 1: Identification	
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(a) Box 309 Bischus, FL 32615 - United States of America (386) 462-0788 - F (386) 462-7097 for@synquestlabs.com - www.synquestlabs.com 4. Emergency telephone number mergency number : (844) 523-4086 (3E Company - Account 10069) ECTION 2: Hazard(s) identification 1. Classification of the substance or mixture tassification (GHS-US) kin Int. 2. H315 - Causes skin irritation ye Int. 2A H315 - Causes exeptions were irritation value of H-phrases: see section 16 : 2. Label elements HS-US labeling : azard pictograms (GHS-US) : ignal word (GHS-US) : ignal word (GHS-US) : ignal word (GHS-US) : recautionary statements (GHS-US) : ecautionary statements (GHS-US) : P261 - Wash skin infritation H33 - Causes skin juritation H34 - Causes skin juritation H35 - Causes skin juritation H319 - Causes skin juritation H319 - Causes skin juritation H319 - Causes skin intribution H335 - May cause respiratory initation	.3. Details of the supplier of the sa	fety data sheet
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(288) 462-0788 - F (386) 462-7097 fol@ synquestlabs.com / www.synquestlabs.com (A. Emergency telephone number imergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 211. Classification of the substance or mixture 212ssification (GHS-US) Skin Iriti. 2 H315 - Causes skin iritation yei Irit. 2A H315 - Causes service yei iritation yei Irit. 2A H319 - Causes service yei iritation yei Irit. 2A H319 - Causes service yei iritation yei Irit. 2A H319 - Causes service yei iritation yei Irit. 2A H319 - Causes service yei iritation yei Irit. 2A H315 - May cause respiratory irritation yei Irit. 2A H315 - May cause respiratory irritation yei Irit. 2A H315 - May cause respiratory irritation yei Irit. 2A H315 - May cause respiratory irritation H545VS labeling : tazard pictograms (GHS-US) : tazard statements (GHS-US)		
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HS-US labeling azard pictograms (GHS-US) ignal word (GHS-US) azard statements (GHS-US) ignal word word word word word word word word	lassification (GHS-US) kin Irrit. 2 H315 - Causes skin irritatior	n
Iazard pictograms (GHS-US) : ignal word (GHS-US) : ignal word (GHS-US) : warning : Iazard statements (GHS-US) : H315 - Causes skin irritation H335 - May cause respiratory irritation H335 - May cause respiratory irritation trecautionary statements (GHS-US) : P261 - Avoid breathing dust, mist P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection 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 P312 - Call a POISON CENTER or doctor/physician if you feel unwell P312 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P332+P313 - If skin irritation persists: Get medical advice/attention P332+P313 - If skin irritation persists: Get medical advice/attention P332+P313 - If skin irritation persists: Get medical advice/attention P332+P313 - If skin eritiation persists: Get medical advice/attention P332+P313 - If skin irritation persists: Get medical advice/attention P334 + P344 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventiliated place. Keep	Classification (GHS-US)kin Irrit. 2H315 - Causes skin irritationye Irrit. 2AH319 - Causes serious eyeTOT SE 3H335 - May cause respirato	n irritation
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	Classification (GHS-US)Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eyeSTOT SE 3H335 - May cause respiratoFull text of H-phrases: see section 162.2.Label elements	n irritation ry irritation : CHS07 : Warning : H315 - Causes skin irritation H319 - Causes serious eye irritation

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

2.3 Other hazards				
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/information	n on in	gredients		
3.1. Substance				
Substance type	: Mond	constituent		
Name		Product identifier	%	Classification (GHS-US)
3-Fluoro-5-(trifluoromethyl)benzeneboronic acid (Main constituent)		(CAS No) 159020-59-4	<= 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				
4.1. Description of first aid measures				
First-aid measures general		se of accident or if you feel unwell, seek is possible). Move the affected personnel		
First-aid measures after inhalation		ove person to fresh air and keep comforta ation. Get medical advice/attention.	able for breathin	g. If not breathing, give artificial
First-aid measures after skin contact	: Wash	with plenty of soap and water. Get med	ical advice/atten	tion.
First-aid measures after eye contact		diately flush eyes thoroughly with water the and easy to do. Continue rinsing. Get		
First-aid measures after ingestion		OT induce vomiting. Never give anything n out with water. Get medical advice/atte		unconscious person. Rinse
4.2. Most important symptoms and effec	ts, both	acute and delayed		
Symptoms/injuries		nost important known symptoms and effe and/or in section 11.	ects are describe	ed in the labelling (see section
4.3. Indication of any immediate medical	attentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
5.1.Extinguishing mediaSuitable extinguishing media		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
00	appro	priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
Suitable extinguishing media	appro	priate for surrounding fire.		
Suitable extinguishing media 5.2. Special hazards arising from the sub	appro	priate for surrounding fire.		
Suitable extinguishing media 5.2. Special hazards arising from the sub Fire hazard	appro stance of : Therr : Do no	priate for surrounding fire.	ron oxides. Cart protective equip	oon oxides. Hydrogen fluoride.
Suitable extinguishing media 5.2. Special hazards arising from the sub- Fire hazard 5.3. Advice for firefighters	appro stance of : Therr : Do no refer	priate for surrounding fire. or mixture nal decomposition generates: Borane/bo ot attempt to take action without suitable	ron oxides. Cart protective equip	oon oxides. Hydrogen fluoride.
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Suitable extinguishing media 5.2. Special hazards arising from the suit Fire hazard 5.3. Advice for firefighters Protection during firefighting SECTION 6: Accidental release meas 6.1. Personal precautions, protective equ General measures 6.1.1. For non-emergency personnel	appro ostance (: Therr : Do no refer sures : Do no refer : Evacu breat	priate for surrounding fire. or mixture nal decomposition generates: Borane/bo ot attempt to take action without suitable to section 8: "Exposure controls/persona and emergency procedures uate unnecessary personnel. Ensure ade he dust.	ron oxides. Cart protective equip l protection".	oon oxides. Hydrogen fluoride. ment. For further information tion. Avoid raising dust. Do not
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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 stor	age
7.1. Precautions for safe handling	g
Precautions for safe handling	: Ensure good ventilation of the work station. Do not breathe dust. Avoid raising dust. 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,	including any incompatibilities
Storage conditions	: Keep container tightly closed.
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.
Eye protection	: Chemical goggles or safety glasses. Face shield.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

Viscosity, dynamic	: No data available	
Viscosity, kinematic	: No data available	
Viscosity	: No data available	
Decomposition temperature	: No data available	
Auto-ignition temperature	: No data available	
Log Pow	: No data available	
Solubility	: No data available	
Molecular mass	: 207.92 g/mol	
Relative vapor density at 20 °C	: No data available	
Relative density	: No data available	
Vapor pressure	: No data available	
Oxidizing properties	: No data available	
Explosive properties	: No data available	
Explosion limits	: No data available	
Flammability (solid, gas)	: No data available	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flash point	: No data available	
Boiling point	: No data available	
Freezing point	: No data available	
Melting point	: 280 - 284 °C	
рН	: No data available	
Odor threshold	: No data available	
Odor	: No data available	
Color	: No data available	
Physical state	: Solid	

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9.2.	Other information
No additi	onal information available
SECTI	ON 10: Stability and reactivity
10.1.	Reactivity
No additi	onal information available
10.2.	Chemical stability
The prod	uct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No additi	onal information available
10.4.	Conditions to avoid
No additi	onal information available
10.5.	Incompatible materials
No additi	onal information available
10.6.	Hazardous decomposition products
	rmal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of Section 5.

SECT	ION 11: Toxicological information			
11.1.	Information on toxicological effects			

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. Toxicity				
No additional information available				
12.2. Persistence and degradability				
No additional information available				
12.3. Bioaccumulative potential				
No additional information available				
12.4. Mobility in soil				
No additional information available				
12.5. Other adverse effects				
No additional 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.			

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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

Substances Control Act (TSCA) Inventory exception.
3-Fluoro-5-(trifluoromethyl)benzeneboronic acid

3-Fluoro-5-(trifluoromethyl)benzeneboronic acid	CAS No 159020-59-4	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

intext of the printises.			
	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 h

NFPA health hazard	 1 - Exposure could cause irritation but only minor residual injury even if no treatment is 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.	

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HMIS III Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
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.