

Safety Data Sheet 66603Q9 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 10/05/2015 Version: 1.0

SECTION 1: Identification		
1.1. Identification		
	. Cultatence	
Product form : Substance		
Substance name	4-Fluoro-3-(hydroxymethyl)benzeneboronic acid	
CAS No	: 481681-02-1	
Product code : 6660-3-Q9		
Formula	: C7H8BFO3	
Other means of identification	: MFCD08235075	
I.2. Relevant identified uses of the sub	ostance or mixture and uses advised against	
Jse of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development	
1.3. Details of the supplier of the safet	y 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.c I.4. Emergency telephone number	<u>om</u>	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)	
0		
SECTION 2: Hazard(s) identification		
2.1. Classification of the substance or	mixture	
Classification (GHS-US)		
Eye Irrit. 2A H319 - Causes serious eye irrit STOT SE 3 H335 - May cause respiratory i Full text of H-phrases: see section 16		
2.2. Label elements		
GHS-US labeling		
Hazard pictograms (GHS-US)	: GHS07	
Signal word (GHS-US)	: Warning	
Hazard statements (GHS-US)	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation	
Precautionary 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 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 P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse 	

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2.3. Other hazards	aay, ma.on 20			
No additional information available				
2.4. Unknown acute toxicity (GHS US	5)			
Not applicable				
SECTION 3: Composition/informa	tion on in	gredients		
3.1. Substance				
Substance type	: Mono	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
4-Fluoro-3-(hydroxymethyl)benzeneboronic acid (Main constituent)		(CAS No) 481681-02-1	<= 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	wher	se of accident or if you feel unv e possible). Move the affected	personnel away from th	e contaminated area.
First-aid measures after inhalation	respi	ove person to fresh air and kee ration. Get medical advice/atter n with plenty of soap and water	ntion.	hing. If not breathing, give artificial
First-aid measures after skin contact First-aid measures after eye contact		1 7 1		iention. i minutes. Remove contact lenses, if
	prese	ent and easy to do. Continue rir	ising. Get medical advi	ce/attention.
First-aid measures after ingestion		OT induce vomiting. Never give h out with water. Get medical a		an unconscious person. Rinse
4.2. Most important symptoms and e	ffects, both	acute and delayed		
Symptoms/injuries		most important known symptom and/or in section 11.	is and effects are desci	ibed in the labelling (see section
4.3. Indication of any immediate med	lical attentio	n and special treatment need	led	
Treat symptomatically.				
SECTION 5: Firefighting measure	S			
5.1. Extinguishing media				
Suitable extinguishing media		nol resistant foam. Carbon dioxi opriate for surrounding fire.	de. Dry powder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the				
Fire hazard	: Ther	mal decomposition generates: I	Borane/boron oxides. C	arbon oxides. Hydrogen fluoride.
5.3. Advice for firefighters				
Protection during firefighting		ot attempt to take action withou to section 8: "Exposure control		uipment. For further information
SECTION 6: Accidental release m	easures			
6.1. Personal precautions, protective	equipment	and emergency procedures		
General measures		uate unnecessary personnel. E he dust.	insure adequate air ven	tilation. Avoid raising dust. Do not
6.1.1. For non-emergency personnel				
Emergency procedures	: Only	qualified personnel equipped w	ith suitable protective e	equipment may intervene.
6.1.2. For emergency responders				
Protective equipment		ot attempt to take action withou to section 8: "Exposure control		uipment. For further information
6.2. Environmental precautions				
Avoid release to the environment. Notify auth	norities if proc	duct enters sewers or public wa	ters.	
6.3. Methods and material for contain	nment and c	leaning up		
Methods for cleaning up	: Swee	ep or shovel spills into appropria	ate container for dispos	al. Minimize generation of dust.
includes for oreaning up				

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Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
6.4. Reference to othe	sections
No additional information ava	lable
SECTION 7: Handling	and storage
7.1. Precautions for sa	fe handling
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 saf	e 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.

Control parameters 8.1.

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

0.1 Information on basic physical and chamical propertie

10/00/0010		
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	: 169.95 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	: 124 - 126	
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 additional information available				
10.2.	Chemical stability			
The prod	The product 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			
3.1. Waste treatment methods			
Vaste treatment methods	: Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber.		
Vaste 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: 4-Fluoro-3-(hydroxymethyl)benzeneboronic acid

CAS No 481681-02-1 100% 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:

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	

NFPA health hazard

: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given. 0 NFPA fire hazard : 0 - Materials that will not burn. NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, 0 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.