

3,5-Bis(trifluoromethyl)benzeneboronic acid

Safety Data Sheet 6860335 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 10/05/2015 Version: 1.0

1.1 Identification Product form Substance Substance name Substance CAS No : 73652-19-4 Product code : 680-363 Formula : 23-5 Big(trfluoromethylbenylboronic acid Other means of identification : MFCD00051800 12. Relevant identified uses of the substance or mkture and uses advised against Use of the substance/mkture : Elaboratory chemicals Manufacture of substances SynOpens Laboratories, Inc. PCO. Box 309 PCO. Box 309 Manufacture of substances SynOpens Laboratories, Inc. PCO. Box 309 Visit States of America : (844) 523-4086 (3E Company - Account 10069) SECTION 21 Hazard(s) Identification : 21. Classification of the substance or mkture Classification (GHS-US) : (844) 523-4086 (3E Company - Account 10069) SECTION 21 Hazard(s) Identification : State and the substance or mkture : Classification (GHS-US) : (844) 523-4086 (3E Company - Account 10069) State and the substance or mkture : Classification (GHS-US) : (841) 523-4086 (3E Company - Account 10069) State and table intraino </th <th>SECTION 1: Identification</th> <th></th>	SECTION 1: Identification	
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 abatance name 3, 5 Bis(rfluoromethyl)benzeneboronic acid AG No 7 3952: 19-4 Yorduct code C 8609-3-5 Yorduma Code C CH5BFFC02 Yordyma Si 2, 5 -Bis(rfluoromethylylpenylboronic acid Cher means of identification MFCD00051850 12. Relevant identified uses of the substance or mixture and uses advised against Laboratory chemicals Manufacture of substances Scientific research and development Constitute of substances Scientific research and development Constitute of substances Constitute of substance or mixture and uses advised against Constitute of substance or mixture and uses advised against Constitute of the substance or mixture and uses advised against Constitute of the substance or mixture and uses advised against Constitute of the substance or mixture and uses advised against Constitute of the provide tables of America Constitute of the substance or mixture and uses advised against Constitute of the substance or mixture and uses advised against Constitute of the provide tables of America Constitute of the provide tables of a merica Constitute of the provide tables of America Constitute of the substance or mixture and uses advised against Constitute of the provide tables of a merica Constitute of		Substance
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Signal word (GHS-US): WarningHazard statements (GHS-US): H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritationPrecautionary 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 P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P362+P334 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed	Skin Irrit. 2 H315 - Causes skin irritation ye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16	irritation
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P405 - Store locked up	Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato Full text of H-phrases: see section 16 :.2. Label elements GHS-US labeling Hazard pictograms (GHS-US)	 irritation by irritation : irritation : irritation : irritation : GHS07 : Warning : H315 - Causes skin irritation H319 - Causes serious eye irritation
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2.3. Other hazards						
No additional information available						
2.4.	2.4. Unknown acute toxicity (GHS US)					
Not app	licable					
SECTI	ON 3: Composition/information	n on in	gredients			
3.1.	Substance		-			
Substan	ce type	: Mono	-constituent			
Name			Product identifier	%	Classification (GHS-US)	
	trifluoromethyl)benzeneboronic acid nstituent)		(CAS No) 73852-19-4	<= 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 app	licable					
SECTI	ON 4: First aid measures					
4.1.	Description of first aid measures					
First-aid	measures general		e of accident or if you feel unwell, seek repossible). Move the affected personnel			
First-aid	measures after inhalation		ve person to fresh air and keep comforta ation. Get medical advice/attention.	able for breathing	g. If not breathing, give artificial	
First-aid	measures after skin contact	: Wash	with plenty of soap and water. Get medi	cal advice/atten	tion.	
First-aid	measures after eye contact		diately flush eyes thoroughly with water t nt and easy to do. Continue rinsing. Get			
First-aid	measures after ingestion		DT induce vomiting. Never give anything out with water. Get medical advice/atte		unconscious person. Rinse	
4.2.	Most important symptoms and effect	s, both	acute and delayed			
Symptor	ns/injuries		nost important known symptoms and effe nd/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 sy	mptomatically.					
SECT	ON 5: Firefighting measures					
5.1.	Extinguishing media					
Suitable	extinguishing media		ol resistant foam. Carbon dioxide. Dry po priate for surrounding fire.	owder. Water sp	ray. Use extinguishing media	
5.2.	Special hazards arising from the sub	stance o	or mixture			
Fire haz	ard	: Thern	nal decomposition generates: Borane/bo	ron oxides. Carb	oon oxides. Hydrogen fluoride.	
5.3.	Advice for firefighters					
Protectio	on during firefighting		t attempt to take action without suitable o section 8: "Exposure controls/persona		ment. For further information	
SECTION 6: Accidental release measures						
6.1. Personal precautions, protective equipment and emergency procedures						
General	measures		late unnecessary personnel. Ensure ade ne dust.	equate air ventila	ation. Avoid raising dust. Do not	
6.1.1.	For non-emergency personnel					
Emerge	ncy procedures	: Only	qualified personnel equipped with suitabl	e protective equ	ipment may intervene.	
6.1.2.	For emergency responders					
Protectiv	rotective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".					
6.2.	6.2. Environmental precautions					
Avoid re	Avoid release to the environment. Notify authorities if product enters sewers or public waters.					
6.3.	Methods and material for containment	nt and cl	eaning up			
Methods	for cleaning up	: Swee	p or shovel spills into appropriate contair	ner for disposal.	Minimize generation of dust.	

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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	ndling
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 stor	rage, 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.

8.1. Control parameters

0 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

Information on basic physical and chamical propertie

10/00/0010		0/0
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	: 257.93 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	: 219 - 222 °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 addi	tional information available
SECT	ION 10: Stability and reactivity
10.1.	Reactivity
No addi	tional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No addi	tional information available
10.4.	Conditions to avoid
No addi	tional information available
10.5.	Incompatible materials
No addi	tional information available
10.6.	Hazardous decomposition products
l Inder n	normal conditions of storage and use hazardous decomposition products should not be produced. Hazardous decomposition products in case of

should not be produced. Haz ardous decomp fire, see Section 5.

SECTION 11: Toxicological information			
11.1.	nformation 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:

ľ	3,5-Bis(trifluoromethyl)benzeneboronic acid

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.

CAS No 73852-19-4

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	

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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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100%

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Safety Data Sheet

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

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.