

Safety Data Sheet 8H601J6 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Version: 1.0

Date of issue: 10/25/2017

1.1 Identification Product form Substance Substance name Cunoline-7-boronic acid CAS No : 629644.422.2 Product code : 8160-1-J6 Formula : C9H8BNO2 Synonyms : 7-Boronoquinoline Other means of identification : MFCD11100750 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 safety data sheet SynOuses Laboratories, Inc. PO, Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 Indicasynouestiabs com - www.sunuestiabs.com 2.1. Classification of the substance or mixture Classification (GHS US) Storation again aga	SECTION 1: Identification	
Product form : Substance Substance name : Quinoline-7-boronic acid CAS No : E28644.82.2 Product code : BH60-1.46 Formula : C9H8BNO2 Synonyms : 7-Boronoquinoline Other means of identification : MFCD11100750 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 safety data sheet SynOutes Laboratories, Inc. P.O. Box 300 Advenus FL. 32615 - United States of America 1.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) Identification 1.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) Identification 2.1. Classification of the substance or mixture Classification (GHS-US) Acues 70: 4 (Oral) M302 - Harmful if swallowed Skin Inft. 2 Masses see section 16 2.2. Label elements GHS-US is (Warring Hazard pictograms (GHS-US) Signal word (GHS-US) Signa		
Substance name : : Quinoline-7-boronic acid CAS No : : 62984-82-2 Product code : : 9460-1.05 Formula : : C948BNO2 Synonyms : : 7-Boronoquinoline Other means of identification : : : : : : : : : : : : : : : : : : :		Substance
CAS No : 62964-82-2 Product code : 84460-1-J6 Formula : C9H8BNO2 Synonyms : 7-Boronoquinoline Cher means of identification : MFCD11100750 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture : Laboratory chemicals Manufacture of substances SynOuest Laboratories, Inc. Po. Dos. 309 Nachua, F1 23615 - United States of America 1.3. Details of the supplier of the safety data sheet SynOuest Laboratories, Inc. Po. Dos. 309 Nachua, F1 23615 - United States of America 1.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mixture Classification (GHS-US) Audie Tox. 4 (Oral) H302 - Harmful if swallowed Stin Int. 2 H315 - Causes skin irritation Eye Int: 2.A H319 - Causes skin irritation STOT SE 3 H335 - May cause respiratory irritation Full text of H-phrases: see section 16 2.2. Label elements GH3-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US) : Warning Hazard statements (GHS-US) Signal word (GHS-US) : H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes skin skin through y faret handling H326 - May cause respiratory irritation H319 - Causes skin in		
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Formula : C9H8BNO2 Synonyms : 7-Boronoquinoline Other means of identification : MECD11100750 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 safety data sheet SynOutest Laboratories, Inc. P.O. Box 309 Adachua, FL 22615 - United States of America T (386) 462-7097 Trifo@synOutestLaboratories, Inc. P.O. Box 309 Adachua, FL 23615 - United States of America T (386) 462-7097 Trifo@synOutestLaboratories, Inc. P.O. Box 309 1.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mixture Classification of the substance or mixture Classification of the Substance or mixture Classification (SHS-US) Acute Tox 4 (Oral) H330 - Harmful if swallowed Stor TS 2 H335 - May cause respiratory irritation Eye Irrit. 2 H335 - May cause respiratory irritation Eye Irrit. 2 H335 - May cause respiratory irritation Eye Irrit. 2 Habe elements 2.2. Label elements 2.4. Label elements Signal word (GHS-US) : Warning Hazard pictograms (GHS-US) : Warning Hazard pictograms (GHS-US) : Warning Hazard statements (GHS-US) : Warning Hazard statements (GHS-US) : P261 - Avoid breathing dust, mist, spray Precautionary statements (GHS-US) : P261 - Avoid breathing dust, mist, spray P264 - Waas hish inforonopying after fanding P277 - Do not eat, dirk or smoke when using this product P276 - Do not eat, dirk or smoke when using this product P276 - Do not eat, dirk or smoke when using this product P276 - Do not eat, dirk or smoke when using this product P276 - Vacie has shish inforoaphyla fert fanding P277 - Do not eat, dirk or smoke when using this product P286 - Waar protective cichnifyee protection/face protection P301 + P312 - I swallows or in a well-wentilated area P280 - Waar protective Cala PAOSD		
Synonyms : 2 7-Boronoquinoline Cher means of identification : MFCD11100750 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 safety data sheet SynOuses Laboratories, Inc. PO. Box 300 Alachua, FL 32615 - United States of America T (366) 462-0768 - F (366) 462-7097 Info@Synousestlabs.com - www.synousestlabs.com 1.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) Identification 2.1. Classification of the substance or mixture Classification of the substance or mixture Classification of the substance or mixture 2.1. Classification of the substance or mixture Classification (CHS-US) Acute Tox. 4 (Oral) H302 - Harmful if swallowed Skin Irit. 2 H315 - Causes serious eye iritation Full text of H-phrases: see section 16 2.2. Label elements CHS-US labeling Hazard pictograms (GHS-US) : Warning Hazard pictograms (GHS-US) : H302 - Harmful if swallowed H315 - Causes skin iritation H319 - Causes serious eye iritation H319 - Causes skin iritation H320 - May cause respiratory iritation H330 - May cause respiratory iritation H331 - Causes Asin iritation H330 - May cause respiratory iritat		
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SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 452-0788 - F (386) 452-7097 info@synquestlabs.com + www.synquestlabs.com 1.4. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mixture Classification (CHS-US) Acute Tox. 4 (Oral) H 302 - Harmful if swallowed Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H315 - Causes service respiratory irritation STOT SE J H335 - May cause respiratory irritation Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Hazard statements (GHS-US) Figure 1: 2A H302 - Harmful if swallowed Hazard statements (GHS-US) Figure 2: H302 - Harmful if swallowed H335 - May cause respiratory irritation H336 - May cause respiratory irritation H337 - Causes shin irritation H338 - May cause respiratory irritation H339 - May cause respiratory irritation H335 - May cause respiratory irritation H336 - May cause respiratory irritation H337 - May cause respiratory irritation H336 - May cause respiratory irritation H337 - May cause respiratory irritation H332 - Har skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Waar protective clowes/protective clouting/eye protection/face protection P302+P332 - If on skin: Wash with plenty of scap and water P302+P332 - If on skin: Wash with plenty of scap and water P302+P3340 - If inhaled: Remove pers	Use of the substance/mixture	Manufacture of substances
P ¹ O. Box 309 Machua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.com 14. Emergency telephone number Emergency number : (844) 523-4086 (3E Company - Account 10069) SECTION 2: Hazard(s) identification 2.1. Classification of the substance or mixture Classification (GHS-US) Acute Tox, 4 (Oral) H302 - Harmful if swallowed Skin Irrit. 2. H315 - Causes serious eye irritation STOT SE 3. H335 - May cause respiratory irritation Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) Flazard pictograms (GHS-US) Hazard statements (GHS-US) Precautionary statements (GHS-US) Hazard pictogram (GHS-US) Hazard pictogram (GHS-US) Precautionary statements (GHS	1.3. Details of the supplier of the sa	afety data sheet
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Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye irritation STOT SE 3 H335 - May cause respiratory irritation Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling Hazard pictograms (GHS-US) : Warning Hazard statements (GHS-US) : H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation H319 - Causes erepiratory irritation H319 - Causes erepiratory irritation H319 - Causes erepiratory irritation Precautionary statements (GHS-US) : P261 - Avoid breathing dust, mist, spray P264 - Wash skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you fer P302+P325 - If on skin: Wash with plenty of soap and water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for bree		
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 H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation H3264 - Wash skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you fer P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for bread 	Classification (GHS-US) Acute Tox. 4 (Oral) H302 - Harmful if sw Skin Irrit. 2 H315 - Causes skin Eye Irrit. 2A H319 - Causes seric STOT SE 3 H335 - May cause re Full text of H-phrases: see section 16 2.2. Label elements GHS-US labeling	vallowed irritation ous eye irritation espiratory irritation
P264 - Wash skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P301+P312 - If swallowed: Call a POISON CENTER or doctor/ physician if you fee 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 brea	Classification (GHS-US) Acute Tox. 4 (Oral) H302 - Harmful if sw Skin Irrit. 2 H315 - Causes skin Eye Irrit. 2A H319 - 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)	vallowed irritation ous eye irritation espiratory irritation
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Re lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P330 - Rinse mouth	Classification (GHS-US) Acute Tox. 4 (Oral) H302 - Harmful if sw Skin Irrit. 2 H315 - Causes skin Eye Irrit. 2A H319 - 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)	 vallowed irritation pus eye irritation espiratory irritation : i i i i i i i i i i i i i i i i i i
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Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards

No additional information available

Unknown acute toxicity (GHS US) 2.4.

Not applicable

SECTION 3: Composition/informa	ition on in	gredients		
3.1. Substance				
Substance type : Mono-constituent				
Name		Product identifier	%	Classification (GHS-US)
Quinoline-7-boronic acid (Main constituent)		(CAS No) 629644-82-2	<= 100	Acute Tox. 4 (Oral), H302 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	5			
First-aid measures general		se of accident or if you feel unwell, seel e possible). Move the affected personne		
First-aid measures after inhalation		ove person to fresh air and keep comfor ration. Get immediate medical advice/at		ing. If not breathing, give artificial
First-aid measures after skin contact		with plenty of soap and water. Get imr		
First-aid measures after eye contact	prese	diately flush eyes thoroughly with wate ent and easy to do. Continue rinsing. Ge	et immediate me	edical advice/attention.
First-aid measures after ingestion	: Do N mout	OT induce vomiting. Never give anythin h out with water. Get immediate medica	g by mouth to a I advice/attentic	n unconscious person. Rinse on.
4.2. Most important symptoms and e	Most important symptoms and effects, both acute and delayed			
Symptoms/injuries		nost important known symptoms and ef and/or in section 11.	fects are descri	bed in the labelling (see section
4.3. Indication of any immediate med	lical attentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measure	s			
5.1. Extinguishing media				
Suitable extinguishing media		ol resistant foam. Carbon dioxide. Dry popriate for surrounding fire.	bowder. Water	spray. Use extinguishing media
5.2. Special hazards arising from the	substance	or mixture		
Fire hazard	: Therr	nal decomposition generates: Borane/b	oron oxides. Ca	arbon oxides. Nitrogen oxides.
5.3. Advice for firefighters				
Firefighting instructions	: In ca	se of fire: Evacuate area.		
Protection during firefighting	: Wear	gas tight chemically protective clothing ratus. For further information refer to se		
SECTION 6: Accidental release m	easures			
6.1. Personal precautions, protective	e equipment	and emergency procedures		
General measures	: Evac	uate unnecessary personnel. Ensure ad	lequate air vent	ilation. Do not breathe dust.
6.1.1. For non-emergency personnel				
Emergency procedures	: Only	qualified personnel equipped with suita	ble protective e	quipment may intervene.

Protective equipment

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

6.1.2. For emergency responders

: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

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

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6.3. Methods and material for containme	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. Precautions for safe handling				
Precautions 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 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, includin	ng any incompatibilities			
Technical measures	: Comply with applicable regulations.			
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources. Keep contents under			

	inert gas.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage temperature	: 2 - 8 °C Use explosion proof refrigerator
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 and	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	
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Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

	/ Monday, March 26, 2012 / Rules and Regulations
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	: 172.98 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	
SECTION 10: Stability and rea	ctivity
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 rea	ctions
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 p	roducts
Under normal conditions of storage and fire, see Section 5.	use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological inf	ormation
11.1. Information on toxicological	effects
Acute toxicity	: Oral: Harmful if swallowed.
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified

Respiratory or skin sensitization : Not classified : Not classified Germ cell mutagenicity Carcinogenicity : Not classified : Not classified Reproductive toxicity Specific target organ toxicity (single exposure) : May cause respiratory irritation. Specific target organ toxicity (repeated : Not classified exposure) Aspiration hazard : Not classified

SECTI	ON 12: Ecological information
12.1.	Toxicity
No addit	ional information available
12.2.	Persistence and degradability
No addit	ional information available

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

12.3.	Bioaccumulative potential
No additi	ional information available
12.4.	Mobility in soil
No additi	ional information available
12.5.	Other adverse effects
No additi	ional information available

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				
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: Quinoline-7-boronic acid CAS No 629644-82-2 100% 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

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

Full text of H-phrases:				
1	Acute Tox. 4 (Oral)		Acute toxicity (oral) Category 4	
E	Eye Irrit. 2A		Serious eye damage/eye irritation Category 2A	
Ş	Skin Irrit. 2		Skin corrosion/irritation Category 2	
S	STOT SE 3		Specific target organ toxicity (single exposure) Category 3	
H	H302		Harmful if swallowed	
H	H315		Causes skin irritation	
H	H319		Causes serious eye irritation	
H	H335		May cause respiratory irritation	
NFPA he NFPA fire		incapacitation or possible medical attention is given. : 0 - Materials that will not b	urn. under fire exposure conditions,	
HMIS III I	Rating			
Health : 2 Moderate Ha		: 2 Moderate Hazard - Ten	nporary or minor injury may occur	
Flammability : 0 Minimal Hazard -		: 0 Minimal Hazard - Mater	Materials that will not burn	
			rials that are normally stable, even under fire conditions, and will NOT ize, 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.