

Safety Data Sheet 4H563Y4 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 02/02/2018 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		
Substance name	: 5-Fluorobenzoxazole		
CAS No	: 221347-71-3		
Product code	: 4H56-3-Y4		
Formula	: C7H4FNO		
Other means of identification	: MFCD08458151		
1.2. Relevant identified uses of the su	bstance or mixture and uses	advised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substan Scientific research and		
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 T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.com			
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Co	npany - Account 10069)	
SECTION 2: Hazard(s) identificatio	n		
2.1. Classification of the substance or			
Classification (GHS-US)			
Acute Tox. 4 (Oral)H302 - Harmful if swalldSkin Irrit. 2H315 - Causes skin irritEye Irrit. 2AH319 - Causes seriousSTOT SE 3H335 - May cause respFull text of H-phrases: see section 16	tation eye irritation		
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)	GHS07		
Signal word (GHS-US)	: Warning		
Hazard statements (GHS-US)	: H302 - Harmful if swallo H315 - Causes skin irrit H319 - Causes serious H335 - May cause resp	ation eye irritation	
Precautionary statements (GHS-US)	<ul> <li>P261 - Avoid breathing P264 - Wash skin thoro P270 - Do not eat, drink P271 - Use only outdoo P280 - Wear protective P301+P312 - If swallow P302+P352 - If on skin: P304+P340 - If inhaled: P305+P351+P338 - If in lenses, if present and e P312 - Call a POISON P321 - Specific treatme P330 - Rinse mouth P332+P313 - If skin irrit</li> </ul>	dust, mist, spray	u feel unwell breathing . Remove contact
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P362+P364 - Take off contaminated clothing and wash it before reuse	
P403+P233 - Store in a well-ventilated place. Keep container tightly closed	
D405 Chara lasked up	

- P405 Store locked up
- P501 Dispose of contents/container to an approved waste disposal plant

### 2.3. Other hazards

### No additional information available

### 2.4. Unknown acute toxicity (GHS US)

#### Not applicable

# **SECTION 3: Composition/information on ingredients**

## 3.1. Substance

Substance type : Mono-constituent

Product identifier (CAS No) 221347-71-3	<b>%</b> <= 100	Classification (GHS-US) Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315
(CAS No) 221347-71-3	<= 100	Skin Irrit. 2, H315
		Eye Irrit. 2A, H319 STOT SE 3, H335
		g. If not breathing, give artificial
sh with plenty of soap and water. Get imm	ediate medical a	dvice/attention.
VOT induce vomiting. Never give anything th out with water. Get immediate medical	by mouth to an advice/attention	unconscious person. Rinse
n acute and delayed		
most important known symptoms and effe and/or in section 11.	ects are describe	ed in the labelling (see section
on and special treatment needed		
ohol resistant foam. Carbon dioxide. Dry propriate for surrounding fire.	owder. Water sp	ray. Use extinguishing media
or mixture		
rmal decomposition generates: Carbon ox	ides. Hydrogen	fluoride. Nitrogen oxides.
en mixed with air and exposed to an ignitic ode if confined.	n source, dust r	nay burn in the open air or
and of fire: Evenuete area. Eight fire remain	alv due to the right	sk of explosion
ase of fire: Evacuate area. Fight fire remote		
	re possible). Move the affected personnel nove person to fresh air and keep comforta iration. Get immediate medical advice/atte sh with plenty of soap and water. Get imme rediately flush eyes thoroughly with water is ent and easy to do. Continue rinsing. Get NOT induce vomiting. Never give anything th out with water. Get immediate medical <b>a cute and delayed</b> most important known symptoms and effe and/or in section 11. <b>on and special treatment needed</b> hol resistant foam. Carbon dioxide. Dry per opriate for surrounding fire.	most important known symptoms and effects are describe and/or in section 11. on and special treatment needed hol resistant foam. Carbon dioxide. Dry powder. Water sp opriate for surrounding fire. or mixture rmal decomposition generates: Carbon oxides. Hydrogen en mixed with air and exposed to an ignition source, dust n ode if confined.

SECTION 6: Accidental release measures			
6.1. Personal precautions, protective eq	uipment and emergency procedures		
General measures	: Evacuate unnecessary personnel. Ensure adequate air ventilation. Do not breathe dust.		
6.1.1. For non-emergency personnel Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene.		

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6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Avoid raising dust. When mixed with air and exposed to an ignition source, dust may burn in the open air or explode if confined. Eliminate every possible source of ignition.
6.2. Environmental precautions	
Avoid release to the environment. Notify author	prities if product enters sewers or public waters.
6.3. Methods and material for contain	ment 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	
Additional hazards when processed	: When mixed with air and exposed to an ignition source, dust may burn in the open air or explode if confined.
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. Keep away from ignition sources (including static discharges). Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools.
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, inclu	ding any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources.
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. 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 pl	hysical and chemical properties	
Physic	cal state	: Solid	
Color		: No data available	
Odor		: No data available	
Odor t	hreshold	: No data available	
pН		: No data available	
Meltin	g point	: 43 - 45 °C	
Freezi	ing point	: No data available	
Boiling	g point	: No data available	
Flash	point	: No data available	
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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	: 137.1112 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 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
Keep av	way from heat, sparks and flame.
10.5.	Incompatible materials
Strong	oxidizing agents.
10.6.	Hazardous decomposition products
	normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of Section 5.

SECTION	SECTION 11: Toxicological information		
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
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 in	formation		
12.1. Toxicity			
No additional information available			
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12.2.       Persistence and degradability         No additional information available         12.3.       Bioaccumulative potential				
12.2 Discoursulative notantial				
IZ.3. DIOduculluidiive poleniidi				
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.			
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:

5-Fluorobenzoxazole CAS No 2	21347-71-3 100%
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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**

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Full tex	t of H-phrases:			
	Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4		
	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		
	H302	Harmful if swallowed		
	H315	Causes skin irritation		
	H319	Causes serious eye irritation		
	H335	May cause respiratory irritation		
NFPA health hazard NFPA fire hazard NFPA reactivity		<ul> <li>3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.</li> <li>2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.</li> <li>0 - Normally stable, even under fire exposure conditions, and are not reactive with water.</li> </ul>		
HMIS I	II Rating			
Health	-	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given		
Flammability		<ul> <li>2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II &amp; IIIA)</li> </ul>		
Physica	al	: 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.		
000110	CUS Un=Com 2012)			

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.