

Safety Data Sheet 2621752 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 03/04/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 5-Chloro-2-fluorobenzoic acid
CAS No	: 394-30-9
Product code	: 2621-7-52
Formula	: C7H4CIFO2
Other means of identification	: MFCD00665762
1.2. Relevant identified uses of the s	ubstance 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 safe	ety data sheet
SynQuest Laboratories, Inc.	
P.O. Box 309	
Alachua, FL 32615 - United States of Americ T (386) 462-0788 - F (386) 462-7097	a
info@synquestlabs.com - www.synquestlabs	<u>.com</u>
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	on
2.1. Classification of the substance of	or mixture
Classification (GHS-US)	
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye ir	ritation
STOT SE 3 H335 - May cause respiratory	
Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	
,	
	$\mathbf{V}$
	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, spray
, , , , , , , , , , , , , , , , , , ,	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
	P302+P302 - 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 eves: Rinse cautiously with water for several minutes. Remove contact
	P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
	lenses, if present and easy to do. Continue rinsing P312 - Call a POISON CENTER or doctor/physician if you feel unwell
	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)
	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) P332+P313 - If skin irritation occurs: Get medical advice/attention
	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) P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention
	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) P332+P313 - If skin irritation occurs: Get medical advice/attention
	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) 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 P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up
	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) 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 P403+P233 - Store in a well-ventilated place. Keep container tightly closed

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2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS US	)			
Not applicable				
SECTION 3: Composition/informa	tion on in	gredients		
3.1. Substance				
Substance type	: Mono	constituent		
Name		Product identifier	%	Classification (GHS-US)
5-Chloro-2-fluorobenzoic acid (Main constituent)		(CAS No) 394-30-9	<= 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	where	se of accident or if you feel unwell, s possible). Move the affected perso	nnel away from the	contaminated area.
First-aid measures after inhalation	respi	ove person to fresh air and keep con ation. Get medical advice/attention.		
First-aid measures after skin contact		with plenty of soap and water. Get		
First-aid measures after eye contact	prese	diately flush eyes thoroughly with w ant and easy to do. Continue rinsing.	Get medical advice	e/attention.
First-aid measures after ingestion	mout	OT induce vomiting. Never give any n out with water. Get medical advice		n unconscious person. Rinse
4.2. Most important symptoms and ef				
Symptoms/injuries		nost important known symptoms and and/or in section 11.	l effects are descril	bed in the labelling (see section
4.3. Indication of any immediate med	ical attentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures	5			
5.1. Extinguishing media				
Suitable extinguishing media		ol resistant foam. Carbon dioxide. E priate for surrounding fire.	ry powder. Water s	pray. Use extinguishing media
5.2. Special hazards arising from the	substance	or mixture		
Fire hazard	: Therr	nal decomposition generates: Carbo	n oxides. Hydroger	n chloride. Hydrogen fluoride.
5.3. Advice for firefighters				
Firefighting instructions	: In cas	se of fire: Evacuate area.		
Protection during firefighting		gas tight chemically protective cloth ratus. For further information refer to		
SECTION 6: Accidental release mo				
6.1. Personal precautions, protective				lation. Do not bractice duct
General measures	: Evac	uate unnecessary personnel. Ensure	e adequate air venti	iation. Do not preathe dust.
6.1.1. For non-emergency personnel				
Emergency procedures	: Only	qualified personnel equipped with su	itable protective ec	uipment may intervene.
6.1.2. For emergency responders				
Protective equipment		ot attempt to take action without suite to section 8: "Exposure controls/per-		pment. For further information
6.2. Environmental precautions				
Avoid release to the environment. Notify auth	orities if proc	luct enters sewers or public waters.		
6.3. Methods and material for contain	ment and c	leaning up		
For containment		leak if safe to do so.		
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lethods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.
ther information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
.4. Reference to other sections	
lo additional information available	
ECTION 7: Handling and storage	
.1. Precautions for safe handling	
recautions 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.
ygiene 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.

1.2.	7.2. Conditions for sale storage, including any incompatibilities		
Technic	cal measures	: Comply with applicable regulations.	
Storage	conditions	: Keep container closed when not in use.	
Incomp	atible materials	: Refer to Section 10 on Incompatible Materials.	
Storage	e 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 ar	nd chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 152 - 153 °C
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
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	: 174.56 g/mol
Solubility	: No data available
Log Pow	: No data available

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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	
<b>SECTION 10: Stability and rea</b>	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 bases. 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
<b>SECTION 11: Toxicological inf</b>	ormation
11.1. Information on toxicological	effects

Acute toxicity	: Not classified
Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity	<ul> <li>Causes skin irritation.</li> <li>Causes serious eye irritation.</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> </ul>
Reproductive toxicity Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure)	<ul><li>Not classified</li><li>May cause respiratory irritation.</li><li>Not classified</li></ul>
Aspiration hazard	: Not classified

SECT	ON 12: Ecological information
12.1.	Toxicity
No addi	tional information available
12.2.	Persistence and degradability
No addi	tional information available
12.3.	Bioaccumulative potential
No addi	tional information available
12.4.	Mobility in soil
No addi	tional information available
12.5.	Other adverse effects
No addit	tional information available

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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-Chloro-2-fluorobenzoic acid	CAS No 394-30-9	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

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NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was 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.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
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.