

Safety Data Sheet 2621743 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	- Ordestance
Product form	: Substance
Substance name	: 4-Chloro-3-fluorobenzoic acid
CAS No	: 403-17-8
Product code	: 2621-7-43
Formula	: C7H4CIFO2
Other means of identification	: MFCD00143290
1.2. Relevant identified uses of the sub-	stance 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
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	<u>m</u>
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 r	nixture
Classification (GHS-US)	
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye irrita STOT SE 3 H335 - May cause respiratory irr 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, 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 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 P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: 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

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2.3. Other hazards					
lo additional information available					
4. Unknown acute toxicity (GHS US)				
lot applicable					
ECTION 3: Composition/information	t <mark>ion on i</mark> n	gredients			
1. Substance					
ubstance type	: Mono	o-constituent			
Name		Product identifier	%	Classification (GHS-US)
4-Chloro-3-fluorobenzoic acid (Main constituent)		(CAS No) 403-17-8	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335	
Full text of H-phrases: see section 16		1		· ·	
.2. Mixture					
lot applicable					
SECTION 4: First aid measures					
.1. Description of first aid measures					
ïrst-aid measures general		se of accident or if you feel unwell, seek e possible). Move the affected personne			
First-aid measures after inhalation	respi	ove person to fresh air and keep comfort ration. Get medical advice/attention.		0 0.0	ficial
irst-aid measures after skin contact		n with plenty of soap and water. Get med			
irst-aid measures after eye contact	prese	ediately flush eyes thoroughly with water ent and easy to do. Continue rinsing. Get	medical advice/	attention.	
First-aid measures after ingestion		OT induce vomiting. Never give anything h out with water. Get medical advice/atte		unconscious person. Rinse	9
.2. Most important symptoms and ef					
Symptoms/injuries		nost important known symptoms and eff and/or in section 11.	ects are describe	ed in the labelling (see sect	ion
4.3. Indication of any immediate med	cal attentic	n and special treatment needed			
Freat symptomatically.					
SECTION 5: Firefighting measures	;				
5.1. Extinguishing media					
Suitable extinguishing media		nol resistant foam. Carbon dioxide. Dry p opriate for surrounding fire.	owder. Water sp	ray. Use extinguishing me	dia
.2. Special hazards arising from the	substance	or mixture			
ïre hazard	: Ther	mal decomposition generates: Carbon o	kides. Hydrogen	chloride. Hydrogen fluoride	÷.
.3. Advice for firefighters					
irefighting instructions	: In ca	se of fire: Evacuate area.			
Protection during firefighting		r gas tight chemically protective clothing ratus. For further information refer to see			
SECTION 6: Accidental release me					
6.1. Personal precautions, protective				then De net knowled it.	
General measures	: Evac	uate unnecessary personnel. Ensure ad	equate air ventila	ation. Do not preathe dust.	
.1.1. For non-emergency personnel					
mergency procedures	: Only	qualified personnel equipped with suitab	le protective equ	ipment may intervene.	
.1.2. For emergency responders					
Protective equipment		ot attempt to take action without suitable to section 8: "Exposure controls/persona		ment. For further information	on
6.2. Environmental precautions					
void release to the environment. Notify auth	orities if prod	duct enters sewers or public waters.			
.3. Methods and material for contain	ment and c	leaning up			
or containment		leak if safe to do so.			
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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.	

The optimitions for sale storage, moldan	ig any moonpationaco
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
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

Information on basic physical and chemical properties ysical state : Solid lor : No data available lor : No data available lor : No data available lor threshold : No data available ling point : No data available lative evaporation rate (butyl acetate=1) : No data available lative evaporation rate (butyl acetate=1) : No data available plosion limits : No data available plosive properties : No data available idizing properties : No data available por pressure : No data available		
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lor hreshold : No data available lor threshold : No data available iting point : 191 - 192 °C eezing point : No data available iling point : No data available iling point : No data available lative evaporation rate (butyl acetate=1) : No data available lative evaporation rate (butyl acetate=1) : No data available immability (solid, gas) : No data available plosion limits : No data available plosive properties : No data available idizing properties : No data available	vsical state :	Solid
lor threshold : No data available : No data available : No data available : 191 - 192 °C ezing point : No data available iling point : No data available : No data available lative evaporation rate (butyl acetate=1) : No data available immability (solid, gas) : No data available plosion limits : No data available plosive properties : No data available : No data available	or :	No data available
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iling point : No data available ish point : No data available lative evaporation rate (butyl acetate=1) : No data available immability (solid, gas) : No data available plosion limits : No data available plosive properties : No data available idizing properties : No data available	Iting point :	: 191 - 192 °C
ash point : No data available lative evaporation rate (butyl acetate=1) : No data available ummability (solid, gas) : No data available plosion limits : No data available plosive properties : No data available idizing properties : No data available	ezing point :	No data available
lative evaporation rate (butyl acetate=1): No data availableammability (solid, gas): No data availableplosion limits: No data availableplosive properties: No data availableidizing properties: No data available	ling point :	No data available
Immability (solid, gas): No data availableplosion limits: No data availableplosive properties: No data availableidizing properties: No data available	sh point :	No data available
plosion limits: No data availableplosive properties: No data availableidizing properties: No data available	ative evaporation rate (butyl acetate=1) :	No data available
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idizing properties : No data available	olosion limits :	No data available
	plosive properties :	No data available
por pressure : No data available	dizing properties :	No data available
	por pressure :	No data available
lative density : No data available	ative density :	No data available
lative vapor density at 20 °C : No data available	ative vapor density at 20 °C :	No data available
lecular mass : 174.56 g/mol	lecular mass :	: 174.56 g/mol
lubility : No data available	ubility :	No data available
g Pow : No data available) Pow :	No data available

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uto-ignition temperature			
	: No data available		
Decomposition temperature : No data available			
Viscosity : No data available			
/iscosity, kinematic	: No data available		
/iscosity, dynamic	: No data available		
.2. Other information			
lo additional information available			
SECTION 10: Stability and reactivity			
0.1. Reactivity			
No additional information available			
10.2. Chemical stability			
The product is stable at normal handling and storage conditions.			
10.3. Possibility of hazardous reactions			
No additional information available			
0.4. Conditions to avoid			
keep away from heat, sparks and flame.			
0.5. Incompatible materials			
Strong bases. Strong oxidizing agents.			
0.6. Hazardous decomposition products			
Inder normal conditions of storage and use, haz re, see Section 5.	zardous decomposition products should not be produced. Hazardous decomposition products in case of		
SECTION 11: Toxicological informat	ion		
1.1. 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				

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SECTION 13: Disposal considerat	ions
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:

4-Chloro-3-fluorobenzoic acid	CAS No 403-17-8	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.