

4-Fluoro-3-(trifluoromethyl)benzoic acid Safety Data Sheet 2821343 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 10/02/2015 Version: 1.0

SECTION 1: Identification			
I.1. Identification			
Product form	: Substance		
Substance name	: 4-Fluoro-3-(trifluoromethy)benzoic acid	
CAS No	: 67515-55-3	,	
Product code	: 2821-3-43		
Formula	: C8H4F4O2		
Synonyms		rifluoride; alpha,alpha,alpha,4-Tetrafluoro-m-toluic ac	sid
Other means of identification	: MFCD00061294		
		duised ensited	
		avisea against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substance Scientific research and de		
1.3. Details of the supplier of the sat	fety data sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Americ T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs			
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Com	pany - Account 10069)	
SECTION 2: Hazard(s) identificati	ion		
2.1. Classification of the substance			
Classification (GHS-US)			
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 irritat H319 - Causes serious ey H335 - May cause respira	e irritation	
Precautionary statements (GHS-US)	P280 - Wear protective gl P302+P352 - If on skin: W P304+P340 - If inhaled: F P305+P351+P338 - If in e lenses, if present and eas P312 - Call a POISON CE P321 - Specific treatment P332+P313 - If skin irritat P337+P313 - If skin irritat P362+P364 - Take off cou P403+P233 - Store in a w P405 - Store locked up	hly after handling or in a well-ventilated area oves/protective clothing/eye protection/face protectio 'ash with plenty of soap and water emove person to fresh air and keep comfortable for l yes: Rinse cautiously with water for several minutes.	preathing
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2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS U	JS)			
Not applicable	,			
SECTION 3: Composition/inform	ation on inc	redients		
3.1. Substance	~			
Substance type	: Mono-	constituent		
Name		Product identifier	%	Classification (GHS-US)
4-Fluoro-3-(trifluoromethyl)benzoic acid		(CAS No) 67515-55-3	<= 100	Skin Irrit. 2, H315
(Main constituent)				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 measure				
First-aid measures general		e of accident or if you feel unwel possible). Move the affected pe		
First-aid measures after inhalation	: Remov	. , .	comfortable for breath	ing. If not breathing, give artificial
First-aid measures after skin contact	: Wash	with plenty of soap and water. G	Set medical advice/att	ention.
First-aid measures after eye contact	preser	nt and easy to do. Continue rinsi	ng. Get medical advic	
First-aid measures after ingestion		T induce vomiting. Never give a out with water. Get medical adv		an unconscious person. Rinse
4.2. Most important symptoms and	effects, both a	cute and delayed		
4.2. Most important symptoms and Symptoms/injuries	: The m		and effects are descri	bed in the labelling (see section
Symptoms/injuries	: The m 2.2) ar	ost important known symptoms nd/or in section 11.		bed in the labelling (see section
Symptoms/injuries 4.3. Indication of any immediate me	: The m 2.2) ar	ost important known symptoms nd/or in section 11.		bed in the labelling (see section
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Symptoms/injuries 4.3. Indication of any immediate me Treat symptomatically. SECTION 5: Firefighting measure	: The m 2.2) ar	ost important known symptoms nd/or in section 11.		bed in the labelling (see section
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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** Precautions for safe handling 7.1. 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 storage, 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. **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. Chemical goggles or safety glasses. Face shield. Eye protection 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** 9.1. Information on basic physical and chemical properties Physical state : Solid : No data available Color : No data available Odor Odor threshold : No data available : No data available pН 114 - 116 °C Melting point Freezing point No data available Boiling point No data available Flash point No data available Relative evaporation rate (butyl acetate=1) No data available : No data available Flammability (solid, gas) Explosion limits No data available Explosive properties No data available Oxidizing properties : No data available Vapor pressure : No data available : No data available Relative density Relative vapor density at 20 °C : No data available Molecular mass 208.11 g/mol

Auto-ignition temperature

Decomposition temperature

Solubility

Log Pow

Viscosity

No data available

No data available

: No data available

No data availableNo data available

: No data available

: No data available

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9.2. Other information		
No additional information available		
SECTION 10: Stability and reactivity		
10.1. Reactivity		
No additional information available		
10.2. Chemical stability		
The product is stable at normal handling and sto	rage conditions.	
10.3. Possibility of hazardous reactions		
No additional information available		
10.4. Conditions to avoid		
No additional information available		
10.5. Incompatible materials		
Strong bases. Strong oxidizing agents.		
10.6. Hazardous decomposition products		
Under normal conditions of storage and use, haz fire, see Section 5.	rardous decomposition products should not be produced. Hazardous decomposition products in case of	
SECTION 11: Toxicological informat	ion	
11.1. 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	
Serm 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 additi	onal information available
12.2.	Persistence and degradability
No additi	onal information available
12.3.	Bioaccumulative potential
No additi	onal information available
12.4.	Mobility in soil
No additi	onal information available
12.5.	Other adverse effects
No additi	onal information available

SECTION 13: Disposal consideration	ns
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: 4-Fluoro-3-(trifluoromethyl)benzoic acid CAS No 67515-55-3 100% 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

NFPA health hazard

NFPA fire hazard

NFPA reactivity

2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
 0 - Materials that will not burn.

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



0

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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.