

2-Fluoro-4-(trifluoromethyl)benzoic acid

Safety Data Sheet 2821324 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		
1.1. Identification		
Product form : Substance		
ubstance name : 2-Fluoro-4-(trifluoromethyl)benzoic acid		
	: 115029-24-8	
	: 2821-3-24	
	: C8H4F4O2	
Other means of identification	: MFCD00010322	
1.2. Relevant identified uses of the substa	ance or mixture and uses advised against	
	: Laboratory chemicals Manufacture of substances Scientific research and development	
1.3. Details of the supplier of the safety da	ata 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 Company - Account 10069)	
SECTION 2: Hazard(s) identification		
2.1. Classification of the substance or mix	xture	
Classification (GHS-US)		
Skin Irrit. 2 H315 - Causes skin irritation		
Eye Irrit. 2AH319 - Causes serious eye irritatioSTOT SE 3H335 - May cause respiratory irritation		
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	
	: H315 - Causes skin irritation	
	H319 - Causes serious eye irritation H335 - May cause respiratory irritation	
Precautionary statements (GHS-US)	 P261 - Avoid breathing dust, mist 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				
No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable				
SECTION 3: Composition/informati	on on ingredients			
3.1. Substance	••			
Substance type	: Mono-constituent		L	
Name	Product identifier	%		ssification (GHS-US)
2-Fluoro-4-(trifluoromethyl)benzoic acid (Main constituent)	(CAS No) 115029-24-8	<=	Eye	n Irrit. 2, H315 Irrit. 2A, H319 DT 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	in the second of the first of the	fa al successful de la		
First-aid measures general	: In case of accident or if you where possible). Move the a	affected personnel awa	ly from the conta	minated area.
First-aid measures after inhalation	: Remove person to fresh air respiration. Get medical adv	vice/attention.	0	iot preatning, give artificial
First-aid measures after skin contact First-aid measures after eye contact	: Wash with plenty of soap and : Immediately flush eyes thor			s. Remove contact longes if
First-aid measures after ingestion	 Immediately fush eyes thorperesent and easy to do. Col Do NOT induce vomiting. N 	ntinue rinsing. Get me	lical advice/atten	tion.
č	mouth out with water. Get n			nscious person. Rinse
4.2. Most important symptoms and effe				
Symptoms/injuries	 The most important known : 2.2) and/or in section 11. 	symptoms and effects	are described in	the labelling (see section
Treat symptomatically. SECTION 5: Firefighting measures				
5.1. Extinguishing media	· Alcohol resistant foam. Carl	oon dioxide. Dry powd	er. Water sprav. I	lse extinguishing media
5.1. Extinguishing media	: Alcohol resistant foam. Carl appropriate for surrounding		er. Water spray. I	Jse extinguishing media
 5.1. Extinguishing media Suitable extinguishing media 5.2. Special hazards arising from the s 	appropriate for surrounding	fire.		
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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				
7.1. Precautions for safe handling				
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, includ	ling 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.		
Eye protection	: Chemical goggles or safety glasses. Face shield.		
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 an	d chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 168 - 170 °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	: 208.11 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

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9.2.	Other information				
No addi	No additional information available				
SECT	ION 10: Stability and reactivity				
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 reactions				
No addi	tional information available				
10.4.	Conditions to avoid				
No additional information available					
10.5.	Incompatible materials				
Strong b	pases. Strong oxidizing agents.				
10.6.	Hazardous decomposition products				
11	Index normal conditions of storage and use, however, decomposition products should not be produced. However, a decomposition products in some of				

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTION 11: Toxicological information			
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
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				

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.	

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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:

	11.10		
2-Fluoro-4-	(trifluorom	ethyl)benzoid	c acid

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.

CAS No 115029-24-8

100%

n

0

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

medical attention is given.0 - Materials that will not burn.

and are not reactive with water.

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	

: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt

: 0 - Normally stable, even under fire exposure conditions,

NFPA health hazard

NFPA fire hazard	
NFPA reactivity	

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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.