

Safety Data Sheet 2721328 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
Substance name	: 2-Fluoro-3-(trifluoromethoxy)phenylacetic acid
CAS No	: 1159512-61-4
Product code	: 2721-3-28
Formula	: C9H6F4O3
Other means of identification	: MFCD12026476
1.2. Relevant identified uses of the subs	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.co	<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 n	nixture
Classification (GHS-US)	
Skin Irrit. 2 H315 - Causes skin irritation	
Eye Irrit. 2A H319 - Causes serious eye irrita	tion
STOT SE 3 H335 - May cause respiratory irr	itation
	itation
STOT SE 3 H335 - May cause respiratory irr Full text of H-phrases: see section 16	itation
STOT SE 3H335 - May cause respiratory irrFull text of H-phrases: see section 162.2.Label elements	itation
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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 : Warning : H315 - Causes skin irritation H319 - Causes serious eye irritation
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) Signal word (GHS-US) Hazard statements (GHS-US)	: GHS07 : Warning : H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
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) Signal word (GHS-US)	 : transformed by the second second
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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) Signal word (GHS-US) Hazard statements (GHS-US)	 : isotopic in the constraint of the con
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No additional information available				
2.4. Unknown acute toxicity (GHS US)				
Not applicable	-			
SECTION 3: Composition/information	n on in	gredients		
3.1. Substance				
Substance type	: Mono	p-constituent	L.	L
		Product identifier	%	Classification (GHS-US)
2-Fluoro-3-(trifluoromethoxy)phenylacetic acid (Main constituent)		(CAS No) 1159512-61-4	<= 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		en ef enerident en if vervierel vervelle en	a la una adia a la abrica	
First-aid measures general	where	se of accident or if you feel unwell, se e possible). Move the affected person	nel away from the	contaminated area.
First-aid measures after inhalation	respi	ove person to fresh air and keep comf ration. Get medical advice/attention.		
First-aid measures after skin contact		n with plenty of soap and water. Get mediately flush eyes thoroughly with wat		
First-aid measures after eye contact	prese	ont and easy to do. Continue rinsing. O OT induce vomiting. Never give anyth	Set medical advice	e/attention.
First-aid measures after ingestion	mout	h out with water. Get medical advice/a		n unconscious person. Rinse
4.2. Most important symptoms and effec			<i>.</i>	
Symptoms/injuries		nost important known symptoms and and/or in section 11.	effects are describ	bed in the labelling (see section
4.3. Indication of any immediate medical	attentio	n and special treatment needed		
Treat symptomatically.		and special treatment needed		
SECTION 5: Firefighting measures				
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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, incl	uding 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/pe	ersonal 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

Viscosity, dynamic	: No data available	
Viscosity, kinematic	: No data available	
Viscosity	: No data available	
Decomposition temperature	: No data available	
Auto-ignition temperature	: No data available	
Log Pow	: No data available	
Solubility	: No data available	
Molecular mass	: 238.14 g/mol	
Relative vapor density at 20 °C	: No data available	
Relative density	: No data available	
Vapor pressure	: No data available	
Oxidizing properties	: No data available	
Explosive properties	: No data available	
Explosion limits	: No data available	
Flammability (solid, gas)	: No data available	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flash point	: No data available	
Boiling point	: No data available	
Freezing point	: No data available	
Melting point	: 81 - 83 °C	
рН	: No data available	
Odor threshold	: No data available	
Odor	: No data available	
Color	: No data available	
Physical state	: Solid	

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9.2.	Other information				
No additi	No additional information available				
SECTI	ON 10: Stability and reactivity				
10.1.	Reactivity				
No additi	No additional information available				
10.2.	Chemical stability				
The prod	uct is stable at normal handling and storage conditions.				
10.3.	Possibility of hazardous reactions				
No additi	No additional information available				
10.4.	Conditions to avoid				
No additi	onal information available				
10.5.	Incompatible materials				
Strong bases. Strong oxidizing agents.					
10.6.	Hazardous decomposition products				
	rmal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of 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:

2-Fluoro-3-(trifluoromethoxy)phenylacetic acid

CAS No 1159512-61-4 100% 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

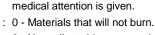
SECTION 16: Other information

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		

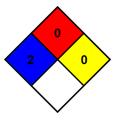
NFPA health hazard

NFPA fire hazard	
NFPA reactivity	



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

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



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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.