

Safety Data Sheet 28213Y3 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	: 4-Fluoro-2-(trifluoromethyl)phenylacetic acid
CAS No	: 195447-80-4
Product code	: 2821-3-Y3
Formula	: C9H6F4O2
Other means of identification	: MFCD00061189
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	
Classification (GHS-US)	
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye irritSTOT SE 3H335 - May cause respiratory inFull text of H-phrases: see section 162.2.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 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	y, March 20, 2012				
No additional information available					
2.4. Unknown acute toxicity (GHS US)					
Not applicable					
SECTION 3: Composition/informati	on on ingred	lients			
3.1. Substance					
Substance type	: Mono-cons	stituent			
Name	Pro	duct identifier	%		Classification (GHS-US)
4-Fluoro-2-(trifluoromethyl)phenylacetic acid (Main constituent)	(CAS	S No) 195447-80-4	<= 1	00	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 pos	sible). Move the affected	personnel away	from the	
First-aid measures after inhalation	respiration	. Get medical advice/atte	ntion.		g. If not breathing, give artificial
First-aid measures after skin contact		plenty of soap and wate			
First-aid measures after eye contact	present an	d easy to do. Continue ri	nsing. Get medi	cal advice	
First-aid measures after ingestion		duce vomiting. Never giv with water. Get medical	, , ,		unconscious person. Rinse
4.2. Most important symptoms and eff					
Symptoms/injuries		mportant known symptor in section 11.	ns and effects a	re describ	ed in the labelling (see section
4.3. Indication of any immediate medic Treat symptomatically.	al attention and	I special treatment nee	ded		
SECTION 5: Firefighting measures					
5.1. Extinguishing media Suitable extinguishing media		sistant foam. Carbon dio	kide. Dry powde	r. Water sp	oray. Use extinguishing media
5.2. Special hazards arising from the s	ubstance or mi	xture			
Fire hazard		ecomposition generates:	Carbon oxides.	Hydroaen	fluoride.
5.3. Advice for firefighters				,	
Protection during firefighting		empt to take action without to take action without to take action 8: "Exposure contro			ment. For further information
SECTION 6: Accidental release me	asures				
6.1. Personal precautions, protective e	quipment and e	emergency procedures			
General measures	: Evacuate u breathe du		Ensure adequate	e air ventila	ation. Avoid raising dust. Do not
6.1.1. For non-emergency personnel					
Emergency procedures	: Only qualif	ied personnel equipped	with suitable pro	tective equ	uipment may intervene.
6.1.2. For emergency responders					
Protective equipment		empt to take action without to take action without to take action 8: "Exposure contro			ment. For further information
6.2. Environmental precautions					
Avoid release to the environment. Notify autho	rities if product e	nters sewers or public wa	aters.		
6.3. Methods and material for containing	nent and cleanin	ng up			
Methods for cleaning up	: Sweep or s	shovel spills into appropr	iate container fo	r disposal.	Minimize generation of dust.

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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 Stect of the sections 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, 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.		
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, including any incompatibilities Storage conditions : Keep container tightly closed. Incompatible materials : Refer to Section 10 on Incompatible Materials.	Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".
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·	Storage conditions	: Keep container tightly closed.
Storage area : Store in dry, cool, well-ventilated area.	Incompatible materials	: Refer to Section 10 on Incompatible Materials.
	Storage area	: Store in dry, cool, well-ventilated area.
		introls/personal protection
SECTION 8: Exposure controls/personal protection	8.1. Control parameters	
	No additional information available	e

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

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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	: 222.14 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	: 83 - 86 °C	
pH	: No data available	
Odor threshold	: No data available	
Odor	: No data available	
Color	: No data available	
9.1. Information on basic physical and Physical state	: Solid	

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9.2.	Other information				
No addit	No additional information available				
SECTI	ON 10: Stability and reactivity				
10.1.	Reactivity				
No addit	No additional information available				
10.2.	Chemical stability				
The proc	luct is stable at normal handling and storage conditions.				
10.3.	Possibility of hazardous reactions				
No additional information available					
10.4.	Conditions to avoid				
No addit	ional information available				
10.5.	Incompatible materials				
Strong b	ases. Strong oxidizing agents.				
10.6.	Hazardous decomposition products				
	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.				

SECT	ION 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				

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 w	vith 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-2-(trifluoromethyl)phenylacetic 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 195447-80-4

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

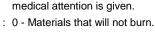
SECTION 16: Other information

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

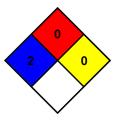
NFPA health hazard

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.