

Safety Data Sheet 2821399 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/07/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 2,3-Difluoro-4-(trifluoromethyl)phenylacetic acid
CAS No	: 247113-95-7
Product code	: 2821-3-99
Formula	: C9H5F5O2
Other means of identification	: MFCD00236268
	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	m
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
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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 in	itation
Full text of H-phrases: see section 16	
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Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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No additional information available				
4. Unknown acute toxicity (GHS US)				
lot applicable				
ECTION 3: Composition/information	on on in	gredients		
.1. Substance				
ubstance type	: Mono	-constituent		
Name		Product identifier	%	Classification (GHS-US)
2,3-Difluoro-4-(trifluoromethyl)phenylacetic acid (Main constituent)		(CAS No) 247113-95-7	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
ull text of H-phrases: see section 16				
.2. Mixture				
lot applicable				
ECTION 4: First aid measures				
1. Description of first aid measures				
irst-aid measures general	where	e of accident or if you feel unw possible). Move the affected p	ersonnel away from th	e contaminated area.
irst-aid measures after inhalation	respir	ation. Get medical advice/atten	tion.	ning. If not breathing, give artificial
irst-aid measures after skin contact		with plenty of soap and water.		
irst-aid measures after eye contact	prese	diately flush eyes thoroughly w nt and easy to do. Continue rin DT induce vomiting. Never give	sing. Get medical advid	
,	mouth	out with water. Get medical a		an unconscious person. Rinse
.2. Most important symptoms and effe				
ymptoms/injuries		nost important known symptom nd/or in section 11.	s and effects are descr	ibed in the labelling (see section
.3. Indication of any immediate medic reat symptomatically.	al attentio	n and special treatment need	ed	
SECTION 5: Firefighting measures				
.1. Extinguishing media				
uitable extinguishing media		ol resistant foam. Carbon dioxio priate for surrounding fire.	de. Dry powder. Water	spray. Use extinguishing media
.2. Special hazards arising from the se	ubstance o	or mixture		
ire hazard	: Thern	nal decomposition generates: C	arbon oxides. Hydroge	en fluoride.
3. Advice for firefighters				
irefighting instructions		e of fire: Evacuate area.		
rotection during firefighting		gas tight chemically protective atus. For further information re		n with self contained breathing sure controls/personal protection".
ECTION 6: Accidental release mea				
1. Personal precautions, protective e				
eneral measures	: Evacu	ate unnecessary personnel. E	nsure adequate air ven	tilation. Do not breathe dust.
1.1. For non-emergency personnel mergency procedures	: Only o	qualified personnel equipped w	ith suitable protective e	equipment may intervene.
.1.2. For emergency responders rotective equipment		t attempt to take action without o section 8: "Exposure controls		uipment. For further information
.2. Environmental precautions				
void release to the environment. Notify author	ities if prod	uct enters sewers or public wa	ers.	
.3. Methods and material for containm	nent and cl	eaning up		
or containment		eak if safe to do so.		
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2/08/2016	EN (Eng	lisit 03)	SDS ID: 28213	2/6

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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	e to other sections		
No additional inform	ation available		
SECTION 7: Ha	ndling and storage		
7.1. Precautio	ns 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.	
7.2. Condition	s for safe storage, including	any incompatibilities	
Technical measures	:	Comply with applicable regulations.	
Storage conditions	:	Keep container closed when not in use.	
Incompatible materia	als	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

9.1. Information on basic physical an	nd chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: No data available
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	: 240.13 g/mol
Solubility	: No data available
Log Pow	: No data available

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations aco

	/ Monday, March 26, 2012 / Rules and Regulations
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
9.2. Other information	
No additional information available	
SECTION 10: Stability and rea	ctivity
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 read	ctions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flame.	
10.5. Incompatible materials	
Strong bases. Strong oxidizing agents.	
10.6. Hazardous decomposition p	roducts
Under normal conditions of storage and fire, see Section 5.	use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological inf	ormation
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

SECT	ION 12: Ecological information		
12.1.	Toxicity		
No additional information available			
12.2.	Persistence and degradability		
No addi	tional information available		
12.3.	Bioaccumulative potential		
No addi	tional information available		
12.4.	Mobility in soil		
No additional information available			
12.5.	Other adverse effects		
No oddi	tional information available		

No additional information available

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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.		
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:

2,3-Difluoro-4-(trifluoromethyl)phenylacetic acid	CAS No 247113-95-7	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

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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.