

4-(Difluoromethyl)benzoic acid Safety Data Sheet 2721336 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 08/04/2017 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 4-(Difluoromethyl)benzoic acid
CAS No	: 55805-21-5
Product code	: 2721-3-36
Formula	: C8H6F2O2
Other means of identification	: MFCD07784270
I.2. Relevant identified uses of the s	ubstance 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 saf	ety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Americ T (386) 462-0788 - F (386) 462-7097 <u>nfo@synquestlabs.com</u> - <u>www.synquestlabs</u>	
1.4. Emergency telephone number	
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identificati	on
2.1. Classification of the substance of	
Classification (GHS-US)	
STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16 2.2. Label elements	y irritation
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, spray 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)

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2.3. Other hazards						
No additional information available						
2.4. Unknown acute toxicity (GHS US	\$)					
Not applicable						
SECTION 3: Composition/informa	tion on ingr	edients				
3.1. Substance						
Substance type	: Mono-co	nstituent				
Name	P	roduct identifier	%		Classification (GHS-US)	
4-(Difluoromethyl)benzoic acid (Main constituent)	(0	CAS No) 55805-21-5	<= 10	0	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335	
Full text of H-phrases: see section 16			I	I		
3.2. Mixture						
Not applicable						
SECTION 4: First aid measures						
4.1. Description of first aid measures	5					
First-aid measures general		of accident or if you feel unv ossible). Move the affected				
First-aid measures after inhalation		person to fresh air and kee on. Get medical advice/atte		r breathing	g. If not breathing, give artifici	al
First-aid measures after skin contact		th plenty of soap and water				
First-aid measures after eye contact	present a	and easy to do. Continue ri	nsing. Get medic	al advice/a		es, if
First-aid measures after ingestion	mouth o	induce vomiting. Never give ut with water. Get medical a		outh to an i	unconscious person. Rinse	
4.2. Most important symptoms and e						
Symptoms/injuries		t important known sympton /or in section 11.	is and effects are	e describe	d in the labelling (see section	1
4.3. Indication of any immediate med	lical attention a	nd special treatment need	led			
Treat symptomatically.						
SECTION 5: Firefighting measure	S					
5.1. Extinguishing media						
Suitable extinguishing media		esistant foam. Carbon diox ate for surrounding fire.	de. Dry powder.	Water spr	ay. Use extinguishing media	
5.2. Special hazards arising from the	substance or r	nixture				
Fire hazard	: Thermal	decomposition generates:	Carbon oxides. H	lydrogen f	luoride.	
5.3. Advice for firefighters						
Firefighting instructions	: In case of	of fire: Evacuate area.				
Protection during firefighting		s tight chemically protective is. For further information re			th self contained breathing controls/personal protection	".
SECTION 6: Accidental release m						
6.1. Personal precautions, protective						
General measures	: Evacuate	e unnecessary personnel. E	nsure adequate	air ventila	tion. Do not breathe dust.	
6.1.1. For non-emergency personnel						
Emergency procedures	: Only qua	alified personnel equipped v	vith suitable prote	ective equi	pment may intervene.	
6.1.2. For emergency responders						
Protective equipment		ttempt to take action withou section 8: "Exposure control			nent. For further information	
6.2. Environmental precautions						
Avoid release to the environment. Notify auth	norities if product	enters sewers or public wa	ters.			
6.3. Methods and material for contain	nment and clea	ning up				
For containment		k if safe to do so.				
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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 to other sections	
No additional information available	
SECTION 7: Handling and storage	
7.1. Precautions 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 o smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, includ	ling any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Keep away from ignition sources. Air sensitive. Moisture sensitive. Keep contents under inert gas.
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. 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

Color	: No data available		
Odor	: No data available		
Odor threshold	: No data available		
рН	: No data available		
Melting point	: 203 - 205 °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	: 172.13 g/mol		
Solubility	: No data available		
Log Pow	: No data available		
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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 reac	tivity
10.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling a	and storage conditions.
10.3. Possibility of hazardous reac	tions
No additional information available	
10.4. Conditions to avoid	
Keep away from heat, sparks and flame.	
10.5. Incompatible materials	
Strong acids. Strong bases. Strong oxidiz	ing agents.
10.6. Hazardous decomposition pro	oducts
Under normal conditions of storage and u fire, see Section 5.	ise, hazardous decomposition products should not be produced. Hazardous decomposition products in case of

: Not classified Acute toxicity 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 : Not classified exposure) : Not classified Aspiration hazard

Information on toxicological effects

SECTION 12: Ecological information
2.1. Toxicity
lo additional information available
2.2. Persistence and degradability
lo additional information available
2.3. Bioaccumulative potential
lo additional information available
2.4. Mobility in soil
lo additional information available
2.5. Other adverse effects
lo additional information available

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SECTION 13: Disposal considerati	ons
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:

4-(Difluoromethyl)benzoic acid	CAS No 55805-21-5	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

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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.