

2',4'-Difluoro-N-methylacetanilide

Safety Data Sheet 4648387 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/08/2015 Version: 1.0

SECTION 1: Identification	
.1. Identification	
Product form	: Substance
Substance name	: 2',4'-Difluoro-N-methylacetanilide
CAS No	: 238403-47-9
roduct code	: 4648-3-87
ormula	: C9H9F2NO
ther means of identification	: MFCD01567301
	substance or mixture and uses advised against
se of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
.3. Details of the supplier of the sat	fety data sheet
ynQuest Laboratories, Inc.	
O. Box 309 Jachua, FL 32615 - United States of Americ (386) 462-0788 - F (386) 462-7097	
ifo@synquestlabs.com - www.synquestlab	<u>s.com</u>
.4. Emergency telephone number	
mergency number	: (844) 523-4086 (3E Company - Account 10069)
ECTION 2: Hazard(s) identificat	ion
1. Classification of the substance	
lassification (GHS-US)	
TOT SE 3 H335 - May cause respirator full text of H-phrases: see section 16 .2. Label elements	
HS-US labeling	
lazard pictograms (GHS-US)	: GHS07
ignal word (GHS-US)	: Warning
lazard 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) 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/informa	tion on ingra	diante			
3.1. Substance	tion on ingre	ulenits			
Substance type	: Mono-con	stituent			
				07	Classification (CUC UC)
Name 2',4'-Difluoro-N-methylacetanilide		oduct identifier AS No) 238403-47-9		<mark>%</mark> <= 100	Classification (GHS-US) Skin Irrit. 2, H315
(Main constituent)	(0,	S NO, 200100 11 0		x= 100	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	ssible). Move the affected	personnel av	way from the o	
First-aid measures after inhalation	respiration	n. Get medical advice/atte	ntion.		g. If not breathing, give artificial
First-aid measures after skin contact		n plenty of soap and water			
First-aid measures after eye contact	present a	nd easy to do. Continue ri	nsing. Get m	edical advice/	
First-aid measures after ingestion		with water. Get medical a	, ,		unconscious person. Rinse
4.2. Most important symptoms and e	ffects, both acut	e and delayed			
Symptoms/injuries		important known sympton r in section 11.	ns and effect	ts are describe	ed in the labelling (see section
4.3. Indication of any immediate med	ical attention an	d special treatment need	ded		
Treat symptomatically.					
SECTION 5: Firefighting measure	S				
5.1. Extinguishing media					
Suitable extinguishing media		sistant foam. Carbon diox te for surrounding fire.	ide. Dry pow	vder. Water sp	ray. Use extinguishing media
5.2. Special hazards arising from the	substance or m	ixture			
Fire hazard		lecomposition generates:	Carbon oxide	es. Hydrogen	fluoride. Nitrogen oxides.
5.3. Advice for firefighters					-
Firefighting instructions	: In case of	fire: Evacuate area.			
Protection during firefighting	: Wear gas	tight chemically protective			vith self contained breathing e controls/personal protection".
SECTION 6: Accidental release m	easures				
6.1. Personal precautions, protective	equipment and	emergency procedures			
General measures	: Evacuate	unnecessary personnel. E	insure adequ	uate air ventila	ation. Do not breathe dust.
6.1.1. For non-emergency personnel					
Emergency procedures	: Only qual	fied personnel equipped v	vith suitable	protective equ	ipment may intervene.
	, , ,				· ·
6.1.2. For emergency responders Protective equipment		empt to take action withou action 8: "Exposure control			ment. For further information
6.2. Environmental precautions					
Avoid release to the environment. Notify auth	orities if product of	enters sewers or public wa	iters.		
6.3. Methods and material for contain	ment and clean	ing up			
For containment	: Stop leak	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 section	ons
No additional information available	
SECTION 7: Handling and s	torage
7.1. Precautions for safe han	dling
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. Conditions for safe stora	ge, including any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
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

9.1. Information on basic physical and	I chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
PH	: No data available
Melting point	: 89 - 91 °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	: 185.17 g/mol
Solubility	: No data available
Log Pow	: No data available

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Auto-ignition temperature	Monday, March 26, 2012 / Rules and Regulations : No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Other information Other information	
SECTION 10: Stability and read	tivity
0.1. Reactivity	
No additional information available	
10.2. Chemical stability	
The product is stable at normal handling a	and storage conditions.
0.3. Possibility of hazardous reac	tions
lo additional information available	
0.4. Conditions to avoid	
No additional information available	
10.5. Incompatible materials	
Strong acids. Strong bases. Strong oxidiz	ing agents. Strong reducing agents.
10.6. Hazardous decomposition pr	oducts
Under normal conditions of storage and u ire, see Section 5.	use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of
SECTION 11: Toxicological info	brmation
11.1. Information on toxicological	effects
A outo tovicitu	
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

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
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 consideration	tions
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',4'-Difluoro-N-methylacetanilide	CAS No 238403-47-9	100%
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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.