

Safety Data Sheet 2617355 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 11/17/2020 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
Substance name	: 4,6-Difluoroindan-1-one
CAS No	: 162548-73-4
Product code	: 2617-3-55
Formula	: C9H6F2O
Other means of identification	: MFCD04972815
1.2. Relevant identified uses of the subst	tance 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 of	lata sheet
SynQuest Laboratories, Inc.	
P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synguestlabs.com - www.synguestlabs.com	n
1.4. Emergency telephone number	<u>-</u>
Emergency number	: (844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or m	ixture
Classification (GHS-US)	
Skin Irrit. 2 H315 - Causes skin irritation	
Eye Irrit. 2A H319 - Causes serious eye irritati	
STOT SE 3 H335 - May cause respiratory irrit	ation
Full text of H-phrases: see section 16	
2.2. 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)	 H335 - May cause respiratory irritation 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 P337+P313 - If eye irritation persists: 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/information	ion on ir	gredients		
.1. Substance				
Substance type	: Mon	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
4,6-Difluoroindan-1-one (Main constituent)		(CAS No) 162548-73-4	<= 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		se of accident or if you feel unwell, seek e possible). Move the affected personnel		
irst-aid measures after inhalation		ove person to fresh air and keep comfort ration. Get medical advice/attention.	able for breathir	ng. If not breathing, give artificial
irst-aid measures after skin contact		h with plenty of soap and water. Get med		
rst-aid measures after eye contact		ediately flush eyes thoroughly with water ent and easy to do. Continue rinsing. Get		
rst-aid measures after ingestion		IOT induce vomiting. Never give anything h out with water. Get medical advice/atte		unconscious person. Rinse
2. Most important symptoms and ef	fects, both	acute and delayed		
ymptoms/injuries		The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.		
.3. Indication of any immediate med	cal attentio	on and special treatment needed		
reat symptomatically.				
ECTION 5: Firefighting measures	;			
.1. Extinguishing media				
uitable extinguishing media		nol resistant foam. Carbon dioxide. Dry p opriate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
.2. Special hazards arising from the	substance	or mixture		
re hazard	: Ther	mal decomposition generates: Carbon ox	dides. Hydrogen	fluoride.
3. Advice for firefighters				
irefighting instructions	: In ca	se of fire: Evacuate area.		
rotection during firefighting		r gas tight chemically protective clothing ratus. For further information refer to sec		
ECTION 6: Accidental release me	easures			
.1. Personal precautions, protective	equipment	and emergency procedures		
eneral measures	: Evac	uate unnecessary personnel. Ensure ade	equate air ventil	ation. Do not breathe dust.
.1.1. For non-emergency personnel				
mergency procedures	: Only	qualified personnel equipped with suitab	le protective equ	uipment may intervene.
1.2. For emergency responders				
rotective equipment		ot attempt to take action without suitable to section 8: "Exposure controls/persona		oment. For further information
2. Environmental precautions				
void release to the environment. Notify auth	orities if pro	duct enters sewers or public waters.		
.3. Methods and material for contain	ment and o	leaning up		
or containment		leak if safe to do so.		

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cording 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 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 or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, including	ng any incompatibilities
Fechnical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use.
ncompatible materials	: Refer to Section 10 on Incompatible Materials.

- : Refer to Section 10 on Incompatible Materials.
- : Store in dry, cool, well-ventilated area. Storage 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	d chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 98 - 99 °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	: 168.1401 g/mol
Solubility	: No data available
Log Pow	: No data available

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cording to Federal Register / Vol. 77, No. 58 / Monday, I Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
/iscosity	: No data available
•	: No data available
/iscosity, kinematic	: No data available
/iscosity, dynamic	
0.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
0.1. Reactivity	
No additional information available	
0.2. Chemical stability	
No additional information available	
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
No additional information available	
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition products	
No additional information available	
SECTION 11: Toxicological information	on
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	
·1 ···· · · · · · ·	: Not classified
Specific target organ toxicity (single exposure)	
Specific target organ toxicity (repeated	 Not classified May cause respiratory irritation. Not classified
Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure) Aspiration hazard	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	May cause respiratory irritation.Not classified
Specific target organ toxicity (repeated exposure) Aspiration hazard	May cause respiratory irritation.Not classified
Specific target organ toxicity (repeated exposure) Aspiration hazard SECTION 12: Ecological information 12.1. Toxicity	May cause respiratory irritation.Not classified
Specific target organ toxicity (repeated exposure) Aspiration hazard SECTION 12: Ecological information 12.1. Toxicity No additional information available	May cause respiratory irritation.Not classified
Specific target organ toxicity (repeated exposure) Aspiration hazard SECTION 12: Ecological information 12.1. Toxicity No additional information available 12.2. Persistence and degradability	May cause respiratory irritation.Not classified
Specific target organ toxicity (repeated exposure) Aspiration hazard SECTION 12: Ecological information 12.1. Toxicity No additional information available 12.2. Persistence and degradability No additional information available	May cause respiratory irritation.Not classified
Specific target organ toxicity (repeated exposure) Aspiration hazard SECTION 12: Ecological information 12.1. Toxicity No additional information available 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential	May cause respiratory irritation.Not classified
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Specific target organ toxicity (repeated exposure) Aspiration hazard 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	May cause respiratory irritation.Not classified
Bypecific target organ toxicity (repeated xxposure) Aspiration hazard BECTION 12: Ecological information 2.1. Toxicity Jo additional information available 2.2. Persistence and degradability Jo additional information available 2.3. Bioaccumulative potential Jo additional information available	May cause respiratory irritation.Not classified
Bioaccumulative potential lo additional information available 2.3. Bioaccumulative potential lo additional information available 2.4. Mobility in soil	May cause respiratory irritation.Not classified

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SECTION 13: Disposal considera	
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:

4,6-Difluoroindan-1-one	CAS No 162548-73-4	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

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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	: 1 - Must be preheated before ignition can occur.	
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.	
HMIS III Rating		
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible	
Flammability	 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB) 	
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.