

**2,6-Difluoro-DL-phenylalanine** Safety Data Sheet 46573X5 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/30/2015 Version: 1.0

SECTION 1: Identification .1. Identification	
Product form	: Substance
Substance name	: 2,6-Difluoro-DL-phenylalanine
CAS No	: 32133-39-4
Product code	: 4657-3-X5
	: 407-3-X3 : C9H9F2NO2
ormula	
Other means of identification	: MFCD00061304
	ubstance or mixture and uses advised against
Ise of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
.3. Details of the supplier of the safe	ety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Ilachua, FL 32615 - United States of America (386) 462-0788 - F (386) 462-7097 Info@synquestlabs.com - www.synquestlabs.	
.4. Emergency telephone number	
mergency number	: (844) 523-4086 (3E Company - Account 10069)
ECTION 2: Hazard(s) identification	on
.1. Classification of the substance o	or mixture
lassification (GHS-US)	
ye Irrit. 2A H319 - Causes serious eye irrit. TOT SE 3 H335 - May cause respiratory full text of H-phrases: see section 16 .2. Label elements	
na-ua labelind	
GHS-US labeling lazard pictograms (GHS-US)	
lazard pictograms (GHS-US)	: GHS07 : Warning
-	: GHS07 : Warning : H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation

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2.3. Other hazards				
lo additional information available				
.4. Unknown acute toxicity (GHS US	)			
lot applicable				
ECTION 3: Composition/informa	tion on ingre	dients		
.1. Substance				
ubstance type	: Mono-con	stituent		
Name	Pro	oduct identifier	%	Classification (GHS-US)
2,6-Difluoro-DL-phenylalanine		S No) 32133-39-4	<= 100	Skin Irrit. 2, H315
(Main constituent)				Eye Irrit. 2A, H319 STOT SE 3, H335
ull text of H-phrases: see section 16	I		I	
.2. Mixture				
ot applicable				
ECTION 4: First aid measures				
.1. Description of first aid measures				
irst-aid measures general		accident or if you feel unw sible). Move the affected p	,	e immediately (show the label e contaminated area.
irst-aid measures after inhalation		erson to fresh air and keep . Get medical advice/atten		ning. If not breathing, give artificial
irst-aid measures after skin contact	: Wash with	plenty of soap and water.	Get medical advice/att	ention.
irst-aid measures after eye contact		ely flush eyes thoroughly w nd easy to do. Continue rin		minutes. Remove contact lenses, if ce/attention.
irst-aid measures after ingestion		nduce vomiting. Never give with water. Get medical a		an unconscious person. Rinse
.2. Most important symptoms and e	fects, both acut	e and delayed		
ymptoms/injuries		important known symptom r in section 11.	s and effects are descr	ibed in the labelling (see section
.3. Indication of any immediate med	ical attention and	d special treatment need	ed	
reat symptomatically.				
ECTION 5: Firefighting measures	2			
1. Extinguishing media	5			
uitable extinguishing media			de. Dry powder. Water	spray. Use extinguishing media
	appropriat	e for surrounding fire.		
2. Special hazards arising from the	substance or mi	xture		
re hazard	: Thermal d	ecomposition generates: C	arbon oxides. Hydroge	en fluoride. Nitrogen oxides.
3. Advice for firefighters				
refighting instructions	: In case of	fire: Evacuate area.		
rotection during firefighting	: Wear gas	tight chemically protective	clothing in combination	with self contained breathing
				ure controls/personal protection".
ECTION 6: Accidental release mo	easures			
1. Personal precautions, protective		emergency procedures		
eneral measures			nsure adequate air ven	tilation. Do not breathe dust.
.1.1. For non-emergency personnel				
mergency procedures	: Only quali	fied personnel equipped w	ith suitable protective e	quipment may intervene.
1.2. For emergency responders				
rotective equipment		empt to take action without ction 8: "Exposure controls		upment. For further information
.2. Environmental precautions				
void release to the environment. Notify auth	orities if product e	enters sewers or public wat	ers.	
.3. Methods and material for contain	ment and cleani	ng up		
or containment		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	ns
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. Keep away from ignition sources. Air sensitive. Keep contents under inert gas.
Incompatible materials	: Refer to Section 10 on Incompatible Materials.
Storage temperature	: 2 - 8 °C Use explosion proof refrigerator

# SECTION 8: Exposure controls/personal protection

8.1. **Control parameters** 

Storage area

# 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.

: Store in dry, well-ventilated area.

# **SECTION 9: Physical and chemical properties** Information on basic physical and chemical properties

9.1. Information on basic physical and ch	ennical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: 256 - 257 °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	: 201.17 g/mol
Solubility	: No data available

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Log Pow	: No data available		
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 availabl	e		
SECTION 10: Stability an	d reactivity		
10.1. Reactivity			
No additional information availabl	e		
10.2. Chemical stability	Chemical stability		
The product is stable at normal ha	andling and storage conditions.		
10.3. Possibility of hazardo	Possibility of hazardous reactions		
No additional information availabl	e		
4. Conditions to avoid			
Keep away from heat, sparks and	I flame.		
10.5. Incompatible material	5. Incompatible materials		
Strong oxidizing agents.			
10.6. Hazardous decompos	Hazardous decomposition products		
Under normal conditions of storag	ge and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case		

fire, see Section 5. **SECTION 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

SECTI	ON 12: Ecological information			
12.1.	Toxicity			
No addit	No additional information available			
12.2.	Persistence and degradability			
No addit	ional information available			
12.3.	Bioaccumulative potential			
No additional information available				
12.4.	Mobility in soil			
No addit	ional information available			
12.5.	Other adverse effects			
No additional information available				

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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:

	2,6-Difluoro-DL-phenylalanine	CAS No 32133-39-4	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.