

3,4-Difluoro-L-phenylalanine Safety Data Sheet 4757334 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			
1.1. Identification			
Product form	: Substance		
Substance name	: 3,4-Difluoro-L-phenylalaning	9	
CAS No	: 31105-90-5		
Product code	: 4757-3-34		
Formula	: C9H9F2NO2		
Synonyms	: H-3,4-difluoro-L-Phe-OH		
Other means of identification	MFCD01075125		
1.2. Relevant identified uses of the s	ubstance or mixture and uses ad	visod against	
Use of the substance/mixture		viseu agailist	
	: Laboratory chemicals Manufacture of substances Scientific research and dev	elopment	
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 info@synquestlabs.com - www.synquestlabs			
1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Compa	ny - Account 10069)	
	. (044) 323 4000 (3E 00mpa		
SECTION 2: Hazard(s) identificati	on		
2.1. Classification of the substance	or mixture		
Eye Irrit. 2A H319 - Causes serious eye i STOT SE 3 H335 - May cause respirator 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 H335 - May cause respirato	irritation	
Precautionary statements (GHS-US)	P302+P352 - If on skin: Wa P304+P340 - If inhaled: Re P305+P351+P338 - If in ey lenses, if present and easy P312 - Call a POISON CEN P321 - Specific treatment (s P332+P313 - If skin irritatio P337+P313 - If eye irritatior P362+P364 - Take off contr P403+P233 - Store in a wel P405 - Store locked up	y after handling r in a well-ventilated area res/protective clothing/eye protection/face protectic sh with plenty of soap and water move person to fresh air and keep comfortable for es: Rinse cautiously with water for several minutes	breathing . Remove contact
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.3.	Other hazards				
lo addi	tional information available				
2.4.	Unknown acute toxicity (GHS US)				
lot app	licable				
SECT	ION 3: Composition/information	on on i	ngredients		
3.1.	Substance				
Substar	nce type	: Mor	no-constituent		
Name			Product identifier	%	Classification (GHS-US)
	uoro-L-phenylalanine		(CAS No) 31105-90-5	<= 100	Skin Irrit. 2, H315
(Main co	onstituent)				Eye Irrit. 2A, H319 STOT SE 3, H335
Full text	of H-phrases: see section 16				0101 0E 0, 11000
3.2.	Mixture				
Not app	licable				
	ION 4: First aid measures				
4.1.	Description of first aid measures				
	I measures general	; In c	ase of accident or if you feel unwell, seek	medical advice	immediately (show the label
			re possible). Move the affected personnel		
First-aid	I measures after inhalation		nove person to fresh air and keep comforta piration. Get medical advice/attention.	able for breathi	ng. If not breathing, give artificial
First-aid	I measures after skin contact	: Wa	sh with plenty of soap and water. Get med	ical advice/atte	ntion.
First-aid	I measures after eye contact		nediately flush eyes thoroughly with water sent and easy to do. Continue rinsing. Get		
First-aid	I measures after ingestion		NOT induce vomiting. Never give anything th out with water. Get medical advice/atte		n unconscious person. Rinse
4.2.	Most important symptoms and effe	cts, botl	n acute and delayed		
Sympto	ms/injuries	: The 2.2)	most important known symptoms and effe and/or in section 11.	ects are descrit	bed in the labelling (see section
4.3.	Indication of any immediate medica	al attenti	on and special treatment needed		
Treat sy	mptomatically.				
SECT	ION 5: Firefighting measures				
5.1.	Extinguishing media				
Suitable	extinguishing media		ohol resistant foam. Carbon dioxide. Dry po ropriate for surrounding fire.	owder. Water s	pray. Use extinguishing media
5.2.	Special hazards arising from the su				
Fire haz	ard	: The	rmal decomposition generates: Carbon ox	ides. Hydroger	n fluoride. Nitrogen oxides.
5.3.	Advice for firefighters				
Firefight	ting instructions	: In c	ase of fire: Evacuate area.		
Protecti	on during firefighting		ar gas tight chemically protective clothing i aratus. For further information refer to sec		
		ouroo			
SECT	ION 6: Accidental release mea	Sures			
	Personal precautions, protective en		t and emergency procedures		
6.1.		quipmen	t and emergency procedures cuate unnecessary personnel. Ensure ade	equate air venti	lation. Do not breathe dust.
6.1. General	Personal precautions, protective en measures	quipmen		equate air venti	lation. Do not breathe dust.
6.1. General 6.1.1.	Personal precautions, protective ed	uipmen : Eva			
6.1. General 6.1.1. Emerge	Personal precautions, protective en measures For non-emergency personnel ncy procedures	uipmen : Eva	cuate unnecessary personnel. Ensure ade		
6.1. General 6.1.1. Emerge 6.1.2.	Personal precautions, protective en measures For non-emergency personnel	i Eva : Eva : Onl : Do	cuate unnecessary personnel. Ensure ade	le protective ec	uipment may intervene.

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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6.3. Methods and material for containm	ent and cleaning up
For containment	: Stop leak if safe to do so.
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, includ	ing 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
Storage area	: Store in dry, well-ventilated area.

SECTION 8: Exposure controls/personal protection

SECTION 9: Physical and chemical properties

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.

nysical state: Solidblor: No data availabledor: No data availabledor threshold: No data availabledor threshold: No data availabledeting point: No data availableeezing point: No data availablebiling point: No data availablebiling point: No data availableash point: No data availableelative evaporation rate (butyl acetate=1): No data availablepolosin limits: No data availablepolosive properties: No data availablekidizing properties: No data availableapor pressure: No data availableelative evapor density at 20 °C: No data available	SECTION 5. Physical and chemica	i properties		
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apor pressure : No data available elative density : No data available elative vapor density at 20 °C : No data available	Explosive properties	: No data available		
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elative vapor density at 20 °C : No data available	/apor pressure	: No data available		
	Relative density	: No data available		
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Molecular mass	: 201.17 g/mol
Solubility	: No data available
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 available

10.1.	Reactivity
No addi	litional information available
10.2.	Chemical stability
The pro	oduct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No addi	litional information available
10.4.	Conditions to avoid
Keen a	way from heat, sparks and flame.
neep a	

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of 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
	ional information available
NU auun	
12.2.	Persistence and degradability
No addit	ional information available
12.3.	Bioaccumulative potential
No addit	ional information available
12.4.	Mobility in soil
No addit	ional information available

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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consider 13.1. Waste treatment methods	ations
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 informa	tion

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 exception.				
3,4-Difluoro-L-phenylalanine	CAS No 31105-90-5	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
	Skin Irrit. 2 STOT SE 3 H315 H319

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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)

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