

# R-(-)-4-Fluoro-D-phenylglycine Safety Data Sheet 46583W3 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/26/2016 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form	: Substance
substance name	: R-(-)-4-Fluoro-D-phenylglycine
CAS No	: 93939-74-3
Product code	: 4658-3-W3
ormula	: C8H8FNO2
ynonyms	: (2R)-(-)-2-Amino-2-(4-fluorophenyl)ethanoic acid; (R)-(-)-Amino(4-fluorophenyl)acetic acid
other means of identification	: MFCD00042727
.2. Relevant identified uses of the s	substance or mixture and uses advised against
lse of the substance/mixture	: Laboratory chemicals Manufacture of substances Scientific research and development
.3. Details of the supplier of the saf	fety data sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Americ F (386) 462-0788 - F (386) 462-7097 nfo@synquestlabs.com - www.synquestlabs	
.4. Emergency telephone number	
mergency number	: (844) 523-4086 (3E Company - Account 10069)
Skin Irrit. 2H315 - Causes skin irritationEye Irrit. 2AH319 - Causes serious eye iSTOT SE 3H335 - May cause respirator	irritation
Skin Irrit. 2 H315 - Causes skin irritation 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	irritation
Eye Irrit. 2A H319 - Causes serious eye i STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16	irritation
Skin Irrit. 2 H315 - Causes skin irritation 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)	irritation ry irritation
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye i STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16 <b>C.2. Label elements</b> <b>GHS-US labeling</b> Hazard pictograms (GHS-US)	irritation ry irritation : GHS07 : Warning
Skin Irrit. 2       H315 - Causes skin irritation         Eye Irrit. 2A       H319 - Causes serious eye is         STOT SE 3       H335 - May cause respirator         Full text of H-phrases: see section 16         2.2.       Label elements         GHS-US labeling	irritation ry irritation
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye i STOT SE 3 H335 - May cause respirator Full text of H-phrases: see section 16 <b>2.2. Label elements</b> <b>GHS-US labeling</b> Hazard pictograms (GHS-US)	irritation ry irritation : $\overbrace{c}_{GHS07}$ : Warning : H315 - Causes skin irritation H319 - Causes serious eye irritation

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.3.	Other hazards				
lo additi	ional information available				
2.4.	Unknown acute toxicity (GHS US)				
Vot appli	icable				
SECTI	ON 3: Composition/informatio	n on ir	gredients		
3.1.	Substance				
Substand	ce type	: Mone	o-constituent		
Name			Product identifier	%	Classification (GHS-US)
	Fluoro-D-phenylglycine nstituent)		(CAS No) 93939-74-3	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text	of H-phrases: see section 16				•
3.2.	Mixture				
Not appli	icable				
SECTI	ON 4: First aid measures				
4.1.	Description of first aid measures				
-irst-aid	measures general		se of accident or if you feel unwell, seek i e possible). Move the affected personnel		
First-aid	measures after inhalation		ove person to fresh air and keep comforta ration. Get medical advice/attention.	able for breathir	ng. If not breathing, give artificial
First-aid	measures after skin contact	: Was	n with plenty of soap and water. Get medi	cal advice/atter	ntion.
First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses present and easy to do. Continue rinsing. Get medical advice/attention.					
First-aid	measures after ingestion		OT induce vomiting. Never give anything h out with water. Get medical advice/atte		unconscious person. Rinse
4.2.	Most important symptoms and effect	ts, both	acute and delayed		
Symptom	ns/injuries		most important known symptoms and effe and/or in section 11.	ects are describ	ed in the labelling (see section
4.3.	Indication of any immediate medica	attentic	n and special treatment needed		
Treat syr	mptomatically.				
SECTI	ON 5: Firefighting measures				
5.1.	Extinguishing media				
-	extinguishing media		nol resistant foam. Carbon dioxide. Dry po opriate for surrounding fire.	owder. Water sp	oray. Use extinguishing media
5.2.	Special hazards arising from the su	ostance	or mixture		
Fire haza	ard	: Ther	mal decomposition generates: Carbon ox	ides. Hydrogen	fluoride. Nitrogen oxides.
5.3.	Advice for firefighters				
Firefighti	ing instructions	: In ca	se of fire: Evacuate area.		
Protectio	on during firefighting		r gas tight chemically protective clothing i ratus. For further information refer to sect		
OFOTI	ON 6: Accidental release meas	sures			
SECTI	Personal propertions, protective or	uipment	and emergency procedures		
	Personal precautions, protective eq			aunto nir vontil	
6.1.	measures		uate unnecessary personnel. Ensure ade		ation. Do not breathe dust.
<b>5.1.</b> General I			uate unnecessary personnel. Ensure ade	quate all ventili	ation. Do not breathe dust.
6.1. General 6.1.1.	measures	: Evad	uate unnecessary personnel. Ensure ade qualified personnel equipped with suitabl		
6.1. General 1 6.1.1.	measures For non-emergency personnel	: Evad			

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

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.3.	Methods and material for containment and cleaning up			
For co	ntainment	: Stop leak if safe to do so.		
Metho	ds 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 ad	ditional information available			
SEC	FION 7: Handling and storage			
7.1.	Precautions for safe handling			
Precau	utions 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		

: 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.
ng any incompatibilities
: Comply with applicable regulations.
: Keep container closed when not in use.
: Refer to Section 10 on Incompatible Materials.
: Store in dry, cool, well-ventilated area.

equipment. Avoid contact with skin and eyes.

#### 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 a	nd chemical properties
Physical state	: Solid
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: > 300 °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	: 169.15 g/mol

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

SECT	ON 10: Stability and reactivity
10.1.	Reactivity
No addi	tional information available
10.2.	Chemical stability
The pro	duct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No addi	tional information available
10.4.	Conditions to avoid
No addi	tional information available
10.5.	Incompatible materials
Strong of	oxidizing agents.
10.6.	Hazardous decomposition products
	ormal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of Section 5.
SECT	ON 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation Serious eye damage/irritation	<ul><li>Causes skin irritation.</li><li>Causes serious eye irritation.</li></ul>
Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity	<ul><li>Not classified</li><li>Not classified</li><li>Not classified</li></ul>
Reproductive toxicity Specific target organ toxicity (single exposure)	: Not classified : May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

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No add	itional information available			
12.5.	Other adverse effects			
No add	itional information available			
12.4.	Mobility in soil			
No add	itional information available			
12.3.	Bioaccumulative potential			
No add	itional information available			
12.2.	Persistence and degradability			
No add	itional information available			
12.1.	Toxicity			
SECT	ION 12: Ecological informat	ion		

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 13: Disposal consideratio	ns
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 informatio	n
15.1. US Federal regulations	
All components of this product are listed, or ex Substances Control Act (TSCA) inventory exce	cluded from listing, on the United States Environmental Protection Agency Toxic ept for:

R-(-)-4-Fluoro-D-phenylalycine CAS No		
	3939-74-3 100%	

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

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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.