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Fmoc-Cys-OH

Safety Data Sheet 8661106 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Version: 1.0

Date of issue: 12/21/2020

4 Identification	
I.1. Identification	
Product form	: Substance
Substance name	: Fmoc-Cys-OH
CAS No	: 135248-89-4
roduct code	: 8661-1-06
ormula	: C18H17NO4S
ynonyms	: Fmoc-L-cysteine; (2R)-2-{[(9H-Fluoren-9-ylmethoxy)carbonyl]amino}-3-sulfanylpropanoic acid
ther means of identification	: MFCD03788178
2. Relevant identified uses of the s	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
SynQuest Laboratories, Inc. P.O. Box 309 Nachua, FL 32615 - United States of Americ (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)
ye Irrit. 2A H319 - Causes serious eye i	irritation
ye Irrit. 2A H319 - Causes serious eye i TOT SE 3 H335 - May cause respirator ull text of H-phrases: see section 16	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
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ye Irrit. 2A H319 - Causes serious eye i TOT SE 3 H335 - May cause respirator ull text of H-phrases: see section 16 .2. Label elements HS-US labeling azard pictograms (GHS-US)	 irritation ry irritation : irritation : irritation : irritation : Warning : H315 - Causes skin irritation H319 - Causes serious eye irritation

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2.3. Other	hazards				
No additional inf	ormation available				
2.4. Unkno	own acute toxicity (GHS US)				
Not applicable					
SECTION 3:	Composition/information	on in	gredients		
3.1. Subst	ance				
Substance type	:	Mono	constituent		
Name			Product identifier	%	Classification (GHS-US)
Fmoc-Cys-OH (Main constituent)			(CAS No) 135248-89-4	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-ph	rases: see section 16				
3.2. Mixtu	re				
Not applicable					
SECTION 4:	First aid measures				
4.1. Descr	iption of first aid measures				
First-aid measur	res general :		se of accident or if you feel unwell, seek e possible). Move the affected personnel		
First-aid measur	res after inhalation :		ove person to fresh air and keep comforta ation. Get medical advice/attention.	able for breathin	g. If not breathing, give artificial
			with plenty of soap and water. Get med		
irst-aid measur		prese	diately flush eyes thoroughly with water int and easy to do. Continue rinsing. Get	medical advice/	attention.
First-aid measur	res after ingestion :		OT induce vomiting. Never give anything n out with water. Get medical advice/atte		unconscious person. Rinse
I.2. Most	important symptoms and effects	, both a	acute and delayed		
4.2. Most Symptoms/injuri		The n	acute and delayed nost important known symptoms and effe ind/or in section 11.	ects are describe	ed in the labelling (see section
Symptoms/injuri	es	The n 2.2) a	nost important known symptoms and effe ind/or in section 11.	ects are describe	ed in the labelling (see section
Symptoms/injuri	es	The n 2.2) a	nost important known symptoms and effe ind/or in section 11.	ects are describe	ed in the labelling (see section
Symptoms/injuri 4.3. Indica Treat symptoma	es	The n 2.2) a	nost important known symptoms and effe ind/or in section 11.	ects are describe	ed in the labelling (see section
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Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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6.3. Methods and material for c	containment 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 section	S
No additional information available	
SECTION 7: Handling and sto	brage
7.1. Precautions for safe handl	ing
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	e, including any incompatibilities

The optimitions for sure storage,	mondaring any moonipationnes
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 temperature	: 2 - 8 °C Use explosion proof refrigerator
Storage area	: Store in dry, well-ventilated area.

SECTION 8: Exposure controls/personal protection

Control parameters 8.1.

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	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	: No data available		
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		

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Molecular mass	: 343.40 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

SECT	ION 10: Stability and reactivity		
10.1.	Reactivity		
No add	itional information available		
10.2.	Chemical stability		
The pro	duct is stable at normal handling and storage conditions.		
10.3.	Possibility of hazardous reactions		
No add	itional information available		
10.4.	Conditions to avoid		
Keep a	way from heat, sparks and flame.		
10.5.	Incompatible materials		
Strong	oxidizing agents.		

Hazardous decomposition products 10.6.

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTI	ECTION 11: Toxicological information		
11.1.	Information on toxicological effects		
Acute to:	kicity	: Not classified	

/ louio louiony	
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	ional information available
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 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 informat	ion		

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

Fmoc-Cys-OH CAS No 135248-89-4 100%	Substances Control Act (TSCA) Inventory exception.		
		CAS No 135248-89-4	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	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is 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	: 2 Moderate Hazard - Temporary or minor injury may occur	
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.