

Safety Data Sheet 4658185 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 03/07/2017 Version: 1.0

SECTION 1: Identification			
1.1. Identification			
Product form	: Substance		4
Substance name	, s	3-(endo-9-Fluorenylmethoxycarbonylamino)bicyclo[2.2.1]heptane-2-endo-carboxylic acid	
CAS No : 917098-99-8			
Product code	: 4658-1-85		
Formula	: C23H23NO4		
Synonyms	•	clo[2.2.1]-heptane-2-endo-carboxylic acid	
Other means of identification	: MFCD02682612		
1.2. Relevant identified uses of the	substance or mixture and uses	advised against	
Use of the substance/mixture	: Laboratory chemicals Manufacture of substand Scientific research and d		
1.3. Details of the supplier of the sa	fety data sheet		
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of Ameri T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlab 1.4. Emergency telephone number			
Emergency number	: (844) 523-4086 (3E Con	papy - Account 10060)	
	. (044) 323 4000 (32 001		
SECTION 2: Hazard(s) identificat	ion		
2.1. Classification of the substance	or mixture		
Classification (GHS-US)			
Skin Irrit. 2 H315 - Causes skin irritation Eye Irrit. 2A H319 - Causes serious eye STOT SE 3 H335 - May cause respirato	irritation		
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 irrita H319 - Causes serious H335 - May cause respi	eye irritation	
Precautionary statements (GHS-US)	P261 - Avoid breathing of P264 - Wash skin thorou P271 - Use only outdoor P280 - Wear protective P302+P352 - If on skin: P304+P340 - If inhaled: P305+P351+P338 - If in lenses, if present and ea P312 - Call a POISON Of P321 - Specific treatmen P332+P313 - If skin irrita	lust, mist, spray	r breathing s. Remove contact
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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

	P501	- Dispose of contents/containe	r to an approved waste	e disposal plant
2.3. Other hazards				
No additional information available				
2.4. Unknown acute toxicity (GHS U	S)			
Not applicable				
SECTION 3: Composition/inform	ation on in	gredients		
3.1. Substance		-		
Substance type	: Mono	o-constituent		
Name		Product identifier	%	Classification (GHS-US)
3-(endo-9- Fluorenylmethoxycarbonylamino)bicyclo[2.2.1]h endo-carboxylic acid (Main constituent)	eptane-2-	(CAS No) 917098-99-8	<= 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 applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measure	S			
First-aid measures general		se of accident or if you feel unw e possible). Move the affected p		
First-aid measures after inhalation		ove person to fresh air and keep ration. Get medical advice/atten		thing. If not breathing, give artificial
First-aid measures after skin contact	: Wash with plenty of soap and water. Get medical advice/attention.			
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.			
First-aid measures after ingestion		: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical advice/attention.		
4.2. Most important symptoms and	effects, both	acute and delayed		
Symptoms/injuries		: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.		
4.3. Indication of any immediate me	dical attentio	n and special treatment need	ed	
Treat symptomatically.				
SECTION 5: Firefighting measure	es			
5.1. Extinguishing media				
Suitable extinguishing media		nol resistant foam. Carbon dioxio	de. Dry powder. Water	r spray. Use extinguishing media
5.2. Special hazards arising from th	e substance	or mixture		
Fire hazard		mal decomposition generates: C	Carbon oxides. Nitroge	en oxides.
5.3. Advice for firefighters		-	-	
Firefighting instructions	: In ca	se of fire: Evacuate area.		
Protection during firefighting		r gas tight chemically protective ratus. For further information re		on with self contained breathing sure controls/personal protection".
SECTION 6: Accidental release n	neasures			
6.1. Personal precautions, protectiv				
General measures	: Evac	uate unnecessary personnel. E	nsure adequate air ver	ntilation. Do not breathe dust.
6.1.1. For non-emergency personnel				

Emergency procedures

: Only qualified personnel equipped with suitable protective equipment may intervene.

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6.1.2. For emergency responders

Protective equipment

Hygiene measures

: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

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

6.3. Methods and material for containm	Methods and material for 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 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.			

: 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 any incompatibilities		
Technical	measures	: Comply with applicable regulations.	
Storage co	onditions	: Keep container closed when not in use.	
Incompatil	ble materials	: Refer to Section 10 on Incompatible Materials.	
Storage a	rea	: Store in dry, cool, well-ventilated 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 and	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

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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	: 377.43 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 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
Keep av	vay from heat, sparks and flame.
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	ION 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

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

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12.2.	Persistence and degradability
No addi	itional information available
12.3.	Bioaccumulative potential
No addi	tional information available
12.4.	Mobility in soil
No addi	itional information available
12.5.	Other adverse effects
	itional 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	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 except for:

3-(endo-9-	CAS No 917098-99-8	100%
Fluorenylmethoxycarbonylamino)bicyclo[2.2.1]heptane-2-endo-		
carboxylic acid		

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

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SECTION 16: Other information

Full text of H-phrases:

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
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	: 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.