SIGMA-ALDRICH

Material Safety Data Sheet

Version 3.0 Revision Date 04/11/2008 Print Date 03/28/2011

Eyes Ingestion	May cause eye irritation. May be harmful if swallowed.			
Inhalation Skin	May be harmful if inhaled. May cause respiratory tract irritation. May be harmful if absorbed through skin. May cause skin irritation.			
Potential Health Effects				
Reactivity Hazard:	0			
Health Hazard: Fire:	0 0			
NFPA Rating	0			
Physical hazards:	0			
Flammability:	0			
HMIS Classification Health Hazard:	0			
No known OSHA haza	ards			
OSHA Hazards				
Emergency Overview				
AZARDS IDENTIFICATIO	DN			
		I	I	L
N2-[(9H-Fluoren-9-ylmo 71989-16-7	ethoxy)carbonyl]-L-as 276-252-2	sparagine	-	-
CAS-No.	EC-No.	Index-No.	Concentration	-
	-			г
Formula Molecular Weight	: C ₁₉ H ₁₈ N ₂ O ₅ : 354.36 g/mol			
Formula				
Synonyms	: Fmoc-L-aspara	agine		
OMPOSITION/INFORMA		тѕ		
Emergency Phone #	: (314) 776-6555			
Fax	: +18003255832 : +18003255052			
Telephone	USA			
	3050 Spruce S SAINT LOUIS			
Company	: Sigma-Aldrich	New of		
Brand	: Aldrich			
Product Number	: 47617			

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point no data available

Ignition temperature no data available

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid dust formation.

Environmental precautions Do not let product enter drains.

Methods for cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

Moisture sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection Safety glasses

Hygiene measures General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid	
Safety data		
рН	no data available	
Melting point	190 °C (374 °F)	
Boiling point	no data available	
Flash point	no data available	
Ignition temperature	no data available	
Lower explosion limit	no data available	
Upper explosion limit	no data available	
Water solubility	no data available	

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.			
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.			
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.			
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.			
Potential Health Effects				
Inholation	Now he harmful if inheled. Now course requiretony tract instation			

Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

May be harmful if absorbed through skin. May cause skin irritation. May cause eye irritation. May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

ΙΑΤΑ

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

No known OSHA hazards

TSCA Status

Not On TSCA Inventory

N2-[(9H-Fluoren-9-ylmethoxy)carbonyl]-L-asparagine

CAS-No. 71989-16-7

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DSL Status

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

N2-[(9H-Fluoren-9-ylmethoxy)carbonyl]-L-asparagine

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components No Components Listed

Pennsylvania Right To Know Components	CAS-No.	Revision Date	
N2-[(9H-Fluoren-9-ylmethoxy)carbonyl]-L-asparagine	71989-16-7		
New Jersey Right To Know Components	CAS-No.	Revision Date	
N2-[(9H-Fluoren-9-ylmethoxy)carbonyl]-L-asparagine	71989-16-7	Revision Date	

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

16. OTHER INFORMATION

Further information

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