

Material Safety Data Sheet (MSDS)

Revision Number: 1.1	Last updated: 12/182012
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1. Product and Company Identification

Product Name:	Fmoc-Lys(Boc)-OH
Manufacturer/Supplier:	AnaSpec, Inc. www.anaspec.com 34801 Campus Drive Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572 Email: service@anaspec.com
Catalog Number	60923-20; 20024; 20132-5; 20132; 20132-10; 20023
Unit Size	20 mmol; 25 g; 500 g; 100 g; 1 kg; 10 g

2. Hazards Identification

GHS Hazard Classification:
 GHS Physical Hazards: N/A
 GHS Health and Environmental Hazards: N/A

GHS Signal Words: N/A
 GHS Hazard Statements: N/A
 GHS Precautionary Statements: N/A

HMIS Classification

Health hazard: 0
 Chronic Health Hazard: 0
 Flammability: 0
 Physical hazards: 0

NFPA Rating

Health hazard: 0
 Fire: 0
 Reactivity Hazard: 0

3. Composition / Information on Ingredients

Ingredients/Components:
 Synonyms : N- α -Fmoc-N- ϵ -t-Boc-L-lysine
 Formula : C₂₆H₃₂N₂O₆
 Molecular Weight : 468.5 g/mol
 CAS #: 71989-26-9

4. First Aid Measures

Inhalation:	If inhaled, move to fresh air. If not breathing, give artificial respiration.
Ingestion:	If swallowed, wash mouth with water if the person is conscious. Call a physician.
Skin:	In case of skin contact, flush with plenty amount of water at least 15 minutes.
Eyes:	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

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5. Fire Fighting Measures

<i>Extinguishing media:</i>	Water spray, Carbon dioxide, alcohol-resistant foam, dry chemical powder.
<i>Special firefighting procedures:</i>	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
<i>Unusual fire and explosions hazards:</i>	Emits toxic fumes under fire conditions.

6. Accidental Release Measures

<i>Spill response</i>	Evacuate area, avoid breathing vapors, mist or gas
<i>Containment</i>	Sweep up and shovel. Do not let product enter drains. Keep in suitable, closed containers for disposal
<i>PPE</i>	Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves

7. Handling and Storage**Handling**

User Exposure: 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

Keep in a dry place.

8. Exposure Controls / Personal Protection

<i>Engineering controls</i>	Mechanical exhaust required.
<i>PPE</i>	Respiratory protection is not required. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). If protection from nuisance levels of dusts is desired, use type N95 (US) or type P1 (EN 143) respirator. Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

9. Physical and Chemical Properties

<i>Physical State</i>	Solid
<i>Odor</i>	N/A
<i>Solubility in Water</i>	N/A
<i>Specific Gravity</i>	N/A
<i>pH</i>	N/A
<i>Boiling Point</i>	N/A
<i>Melting Point</i>	Melting point/range: 130 - 135 °C (266 - 275 °F)
<i>Flash Point</i>	N/A
<i>Vapor Pressure:</i>	N/A
<i>Vapor Density:</i>	N/A

10. Stability and Reactivity

<i>Thermal Decomposition</i>	N/A
<i>Dangerous Products of Decomposition</i>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<i>Dangerous Reactions</i>	N/A

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11. Toxicological Information

<i>RTECS Number</i>	N/A
<i>Toxicity</i>	N/A
<i>Health Hazards</i>	N/A
<i>Potential Hazards</i>	Skin contact: May cause skin irritation Skin absorption: may be harmful if absorbed through the skin Inhalation: Material may be irritating to mucous membranes and upper respiratory tract, May be harmful if inhaled Ingestion: May be harmful if swallowed
<i>Carcinogenicity:</i>	N/A
<i>OSHA Permissible Exposure Limit(PEL) Data</i>	N/A
<i>ACGIH Threshold Limit Values (TLV)</i>	N/A

12. Ecological Information

N/A

13. Disposal Considerations

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14. Transport Information

<i>UN Number</i>	N/A
<i>Hazard Class</i>	This substance is considered to be non-hazardous for transport.
<i>Identification Number</i>	N/A
<i>Packing Group</i>	N/A
<i>Proper Shipping Name (DOT/IATA)</i>	Not dangerous product.

15. Regulatory Information

California Prop. 65 Components

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

OSHA Hazards

No known OSHA hazards

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.

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SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

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New Jersey Right To Know Components

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Revision Date:

International regulations

International lists : Australia inventory (AICS): Not determined.

16. Other Information

It is not intended for food, drug, household, agricultural or cosmetic use. A technically qualified individual experienced in handling potentially hazardous chemicals must supervise its use. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. AnaSpec shall not be held liable for any damage resulting from handling or from contact with the above product.

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