

Material Safety Data Sheet (MSDS)

| | |
|-----------------------------|-----------------------------------|
| Revision Number: 1.2 | Last updated November 2011 |
|-----------------------------|-----------------------------------|

1. Product and Company Identification

| | |
|------------------------|---|
| Product Name: | Fmoc - Lys(N3) - OH Fmoc - azidolysine; Fmoc - lys(azide); Fmoc - lysine azide |
| 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 | 53100-F1 |
| Unit Size | 1g |

2. Hazards Identification

Emergency Overview:

Avoid contact and inhalation. We recommend handling all chemicals with caution. Use proper protective equipment when handling chemicals.

GHS Hazard Classification:

GHS Physical Hazards

GHS Health and Environmental Hazards

Irritant

GHS Signal Words: None

GHS Hazard Statements: H303,H313,May be harmful if swallowed or in contact with skin
H333 May be harmful if inhaled

GHS Precautionary Statements: P101, P103, P304, P340 Respiratory irritant if inhaled. May cause respiratory tract irritation
P305 If in eyes, rinse continuously with water for at least 15 minutes.

Potential Health Effects for:

Inhalation: Irritant if inhaled. May cause respiratory tract irritation.

Ingestion: The compound may be harmful if ingested. If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Skin: The compound may cause skin irritation. May be harmful if absorbed through skin. In case of contact, immediately wash skin with soap and copious amount of water.

Eyes: The compound may cause irritation. In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Chronic Exposures: No information available

Target Organs: No information available

AnaSpec Inc.

34801 Campus Drive, Fremont, CA 94555

Toll-Free: 800-452-5530 • Tel: 510-791-9560 • Fax: 510-791-9573

3. Composition**Ingredients/Components:**

| |
|-----------------------|
| Chemical Name: |
| |
| |
| |

Fmoc - Lys(N3) - OH

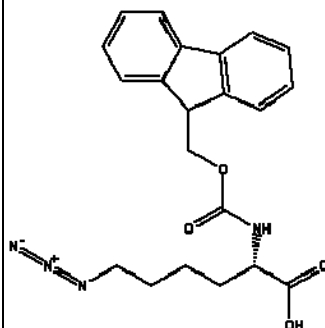
Fmoc - azidolysine; Fmoc - lys(azide); Fmoc - lysine azide

 $C_{21}H_{22}N_4O_4$

Molecular weight: 394.4

CAS-No 159610-89-6

EC-No N/A

**4. First Aid Measures**

| | |
|--------------------|--|
| Inhalation: | Move to fresh air |
| Ingestion: | May be harmful if ingested. If swallowed, wash out mouth with water provided person is conscious. Call a physician and seek medical advice. |
| Skin: | May cause skin irritation. May be harmful if absorbed through skin. In case of contact, immediately wash skin with soap and copious amount of water. |
| Eyes: | May cause irritation. In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. |

AnaSpec Inc.

34801 Campus Drive, Fremont, CA 94555

Toll-Free: 800-452-5530 • Tel: 510-791-9560 • Fax: 510-791-9573

| | |
|---|---|
| <u>5. Fire Fighting Measures</u> | |
| <i>Extinguishing media:</i> | Water spray or fog. Foam. Dry chemical powder. BCF (where regulations permit). Carbon dioxide |
| <i>Special firefighting procedures:</i> | Alert Emergency Responders and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. Use water delivered as a fine spray to control fire and cool adjacent area. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use. |
| <i>Unusual fire and explosions hazards:</i> | Data not available |
| | |
| | |
| | |
| | |
| <u>6. Accidental Release Measures</u> | |
| <i>Spill response</i> | Use personal protective equipment. Soak up with inert absorbent material if spilt. |
| <i>Containment</i> | Soak up with inert absorbent material if spilt. |
| <i>PPE</i> | Use personal protective equipment |
| | |
| <u>7. Handling and Storage</u> | |
| Keep in properly labeled containers. Always wear recommended Personal Protective Equipment. | |
| <u>8. Exposure Controls / Personal Protection</u> | |
| <i>Engineering controls</i> | Use personal protective equipment. |
| <i>PPE</i> | Use personal protective equipment. Soak up with inert absorbent material if spilt. |
| <u>9. Physical and Chemical Properties</u> | |
| <i>Physical State</i> | Solid |

| | |
|----------------------------|---------------------------|
| <i>Odour</i> | No information available. |
| <i>Solubility in Water</i> | Not Soluble |
| <i>Specific Gravity</i> | No data available. |
| <i>PH</i> | No data available. |
| <i>Boiling Point</i> | No data available. |
| <i>Melting Point</i> | No data available. |
| <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> | No data available. |
| <i>Dangerous Products of Decomposition</i> | No data available. |
| <i>Dangerous Reactions</i> | CO _x , NO _x when burned |

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright. Store in 4°C refrigerator.

11. Toxicological Information

| | |
|--|---------------------------|
| <i>RTECS Number</i> | N/A |
| <i>Toxicity</i> | No information available. |
| <i>Health Hazards</i> | May be irritant. |
| <i>Potential Hazards</i> | No information available. |
| <i>Carcinogenicity:</i> | No information available. |
| <i>OSHA Permissible Exposure Limit(PEL) Data</i> | N/A |
| <i>ACGIH Threshold Limit Values (TLV)</i> | N/A |

Reproductive Toxicity No information available

12. Ecological Information

No information available. Inherently biodegradable.

13. Disposal Considerations

Prevent product from entering drains. Dispose of in accordance with local regulation. We recommend incineration of unused product.

14. Transport Information

| | |
|------------------------------|-----|
| <i>Hazard Class</i> | N/A |
| <i>Identification Number</i> | N/A |
| <i>Packing Group</i> | N/A |

AnaSpec Inc.

34801 Campus Drive, Fremont, CA 94555

Toll-Free: 800-452-5530 • Tel: 510-791-9560 • Fax: 510-791-9573

| | |
|---|-----|
| <i>Proper Shipping Name (DOT)</i> | N/A |
| <u>15. Regulatory Information</u> | |
| <p><i>California Proposition 65:</i> N/A</p> <p><i>US TSCA (Toxic Substance Control Act):</i> N/A</p> <p><i>US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):</i> N/A</p> <p><i>US SARA Title III (Superfund Amendments and Reauthorization Act):</i> This product is not regulated by SARA</p> <p><i>US Other:</i> N/A</p> <p><i>EC EINECS (European Inventory of Existing Commercial Chemical Substances) Number:</i> N/A</p> <p><i>EC Risk Statements:</i> N/A</p> <p>Other Country Regulations:</p> | |
| <u>16. Other Information</u> | |
| <p>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.</p> | |