

# Material Safety Data Sheet (MSDS)

|                                                                                                                                                                             |  |                                                                                                                        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|
| Revision Number: 1.1                                                                                                                                                        |  | Last updated July 2011                                                                                                 |  |
| <b><u>Product and Company Identification</u></b>                                                                                                                            |  |                                                                                                                        |  |
| Product Name:                                                                                                                                                               |  | Fmoc - Gly - Rink Amide - MBHA resin                                                                                   |  |
| Manufacturer/Supplier:                                                                                                                                                      |  | AnaSpec, Inc.<br>34801 Campus Drive<br>Fremont, CA 94555<br>Tel: 510-791-9560<br>Fax: 510-791-9573                     |  |
| <b><u>Composition / Information on Ingredients</u></b>                                                                                                                      |  |                                                                                                                        |  |
| Other Names: N - $\alpha$ - Fmoc - glycine - Rink Amide - MBHA resin                                                                                                        |  |                                                                                                                        |  |
| CAS Number: NA                                                                                                                                                              |  |                                                                                                                        |  |
| <b><u>Hazards Identification</u></b>                                                                                                                                        |  |                                                                                                                        |  |
| Emergency Overview:<br>Severely irritating to eyes. Risk of serious damage to eyes.<br>Ingestion may cause gastrointestinal irritation and diarrhea.<br>Irritating to skin. |  |                                                                                                                        |  |
| <b><u>First Aid Measures:</u></b>                                                                                                                                           |  |                                                                                                                        |  |
| Inhalation:                                                                                                                                                                 |  | If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. |  |
| Ingestion:                                                                                                                                                                  |  | If swallowed, wash out mouth with water provided person is conscious. Call a physician.                                |  |
| Skin:                                                                                                                                                                       |  | In case of contact, immediately wash skin with soap and plenty of water.                                               |  |
| Eyes:                                                                                                                                                                       |  | In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.                      |  |
| <b><u>Fire Fighting Measures</u></b>                                                                                                                                        |  |                                                                                                                        |  |
| Extinguishing media:                                                                                                                                                        |  | Water spray, carbon dioxide, dry chemical powder or appropriate foam.                                                  |  |
| Special firefighting procedures:                                                                                                                                            |  | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.                 |  |
| Unusual fire and explosions hazards:                                                                                                                                        |  | Emits toxic fumes under fire conditions.                                                                               |  |
| <b><u>Accidental Release Measures</u></b>                                                                                                                                   |  |                                                                                                                        |  |
| Personal precautions: Avoid dust formation.                                                                                                                                 |  |                                                                                                                        |  |
| Environmental precautions: Do not let product enter drains.                                                                                                                 |  |                                                                                                                        |  |
| Methods for cleaning up: Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor                |  |                                                                                                                        |  |

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**Handling and Storage*****Handling***

Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

***Storage***

Keep container tightly closed and sealed until ready for use. Store at 15C to 25C.

**Exposure Controls / Personal Protection****Respiratory**

Use a properly fitted; air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator

**Hands**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Recommended: nitrile rubber

**Eyes**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: safety glasses with side-shields

**Skin**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Recommended: lab coat

**ACGIH/OSHA Permissible Exposure Limit Data**

Not determined

**Physical and Chemical Properties**

|                       |                |
|-----------------------|----------------|
| <i>Form:</i>          | Solid          |
| <i>Appearance:</i>    | Beads          |
| <i>Melting Point:</i> | Not determined |
| <i>Flash Point:</i>   | Not determined |

**Stability and Reactivity**

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| <i>Stability:</i>                | Stable under recommended storage conditions |
| <i>Materials to avoid:</i>       | Strong oxidizing agents                     |
| <i>Hazardous polymerization:</i> | Hazardous polymerization will not occur     |

**Toxicological Information**

|                         |                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Toxicity:</i>        | No data available                                                                                                                                                                                                                                                                 |
| <i>Health Hazards:</i>  | Causes skin irritation.<br>May be harmful if absorbed through skin.<br>Causes severe eye irritation.<br>Material may be irritating to mucous membranes and upper respiratory tract.<br>May be harmful if inhaled.<br>Ingestion may cause gastrointestinal irritation and diarrhea |
| <i>Carcinogenicity:</i> | Not listed by NTP, IARC or OSHA.                                                                                                                                                                                                                                                  |

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**Ecological Information**

Do not allow product to reach ground water, watercourse, or sewage system.

**Disposal Considerations**

Consult local, state or national regulations for proper disposal.

**Transport Information**

This substance is considered to be non-hazardous for transport

**Regulations**

|                                        |                                                                                                                                     |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <i>SARA 311/312 hazard:</i>            | Acute health hazard                                                                                                                 |
| <i>TSCA Status:</i>                    | Not Listed On TSCA inventory                                                                                                        |
| <i>California Prop. 65 Components:</i> | This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects. |

**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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