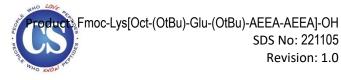


# Safety Data Sheet

| Product Name:Fmoc-Lys[Oct-(OtBu)-Glu-(OtBu)-AEEA-AEEA]-OHProduct Code:221105Company:CSBio(Shanghai) LtdEMERGENCY CONTACTS:Dr. Simon Zhu0086-21-50781655Section 2 - Hazards Identification |                |  |  |  |
|---|----------------|--|--|--|
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|   |                |  |  |  |
|   |                |  |  |  |
| 2.1 Classification of the substance or mixture  |                |  |  |  |
| Not a hazardous substance or mixture.   |                |  |  |  |
| 2.2 GHS Label elements, including precautionary statements  |                |  |  |  |
| Not a hazardous substance or mixture.   |                |  |  |  |
| 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none  |                |  |  |  |
| Section 3 - Composition/Information on Ingredients  |                |  |  |  |
| Substance Name Fmoc-Lys[Oct-(OtBu)-Glu-(OtBu)-AEEA-AEEA]-OH   |                |  |  |  |
| CAS No. 1662688-20-1  |                |  |  |  |
| Formula C <sub>64</sub> H <sub>101</sub> N <sub>5</sub> O <sub>16</sub>   |                |  |  |  |
| Section 4 - First Aid Measures  |                |  |  |  |
| 4.1 Description of 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.  |                |  |  |  |
| 4.2 Most important symptoms and effects, both acute and delayed   |                |  |  |  |
| The most important known symptoms and effects are described in the labelling (see section 2 section 11  | 2.2) and/or in |  |  |  |
| 4.3 Indication of any immediate medical attention and special treatment needed  |                |  |  |  |
| No data available   |                |  |  |  |
| Section 5 - Fire Fighting Measures  |                |  |  |  |
| 5.1 Extinguishing media   |                |  |  |  |
| Suitable extinguishing media  |                |  |  |  |
| Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  |                |  |  |  |
| 5.2 Special hazards arising from the substance or mixture<br>No data available  |                |  |  |  |
|   |                |  |  |  |
| CSBio Co.<br>Pilot Free Trade Zone, 85 Faladi Road, Building 2, Room 502, Shanghai 201210, China  |                |  |  |  |



5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information No data available

#### Section 6 - Accidental Release Measures

- 6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.
- 6.2 Environmental precautions

No special environmental precautions required.

- 6.3 Methods and materials for containment and cleaning up
  - Sweep up and shovel. Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections For disposal see section 13.

#### Section 7 - Handling and Storage

7.1 Precautions for safe handling

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

- 7.2 Conditions for safe storage, including any incompatibilities
   Keep container tightly closed in a dry and well-ventilated place.
   Storage class (TRGS 510): Non Combustible Solids
   Keep in a Cool dry place(≤-20°C)
- 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

#### Section 8 - Exposure Controls / PPE

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without



touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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).

Control of environmental exposure

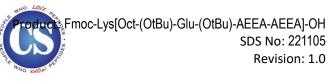
No special environmental precautions required.

#### Section 9 - Physical/Chemical Properties

| Appearance:            | Yellowish liquid or crear | n    |
|------------------------|---------------------------|------|
| Molecular Weight:      | 1196.5                    |      |
| pH:                    | N/A                       | 230  |
| BP/BP Range:           | N/A                       | 1    |
| MP/MP Range:           | N/A                       |      |
| Freezing Point:        | N/A                       |      |
| Vapor Pressure:        | N/A                       |      |
| Vapor Density:         | N/A<br>N/A                |      |
| Saturated Vapor Conc.  | N/A                       | 12   |
| SG/Density:            | N/A KNOV                  | 3 82 |
| Bulk Density:          | N/A                       |      |
| Odor Threshold:        | N/A                       |      |
| Volatile%:             | N/A                       |      |
| VOC Content:           | N/A                       |      |
| Water Content:         | ≤1.0                      |      |
| Solvent Content:       | N/A                       |      |
| Evaporation Rate:      | N/A                       |      |
| Viscosity:             | N/A                       |      |
| Surface Tension:       | N/A                       |      |
| Partition Coefficient: | N/A                       |      |
| Decomposition Temp.:   | N/A                       |      |
| Flash Point:           | N/A                       |      |

### CSBio Co.

Pilot Free Trade Zone, 85 Faladi Road, Building 2, Room 502, Shanghai 201210, China Tel: +86-21-50781655 • Fax: +86-21-50781652 • Email: quality@csbiochina.com • www.csbiochina.com U.S. Headquarter: 20 Kelly Court, Menlo Park, CA 94025 USA Tel: +1-650-3221111 • Fax: +1-650-322278



| Explosion Limits:   | N/A |
|---------------------|-----|
| Flammability:       | N/A |
| Autoignition Temp:  | N/A |
| Refractive Index:   | N/A |
| Optical Rotation:   | N/A |
| Miscellaneous Data: | N/A |
| Solubility:         | N/A |
|                     |     |

### Section 10 - Stability and Reactivity

- 10.1 Reactivity

  No data available

  10.2 Chemical stability

  Stable under recommended storage conditions.

  10.3 Possibility of hazardous reactions

  No data available

  10.4 Conditions to avoid

  No data available

  10.5 Incompatible materials

  Strong oxidizing agents

  10.6 Hazardous decomposition products

  Hazardous decomposition products formed under fire conditions. Carbon oxides, Nitrogen oxides (NOx) Other decomposition products No data available

  In the event of fire: see section 5
  - 11.1 Information on toxicological effects
    - Acute toxicity
    - No data available
    - Inhalation: No data available
    - Dermal: No data available
    - No data available
    - Skin corrosion/irritation
    - No data available
    - Serious eye damage/eye irritation
    - No data available
    - Respiratory or skin sensitisation
    - No data available
    - Germ cell mutagenicity
    - No data available
    - Carcinogenicity



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.

- Reproductive toxicity
- No data available
- Specific target organ toxicity single exposure
- No data available
- Specific target organ toxicity repeated exposure
- No data available
- Aspiration hazard
- No data available
- Additional Information
- RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

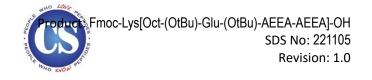
#### Section 12 - Ecological Information

- 12.1 Toxicity
  - No data available
- 12.2 Persistence and degradability No data available
- 12.3 Bioaccumulative potential No data available
- 12.4 Mobility in soil
  - No data available
- 12.5 Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- 12.6 Other adverse effects

#### No data available

#### Section 13 - Disposal Considerations

- 13.1 Waste treatment methods
  - Product
  - Offer surplus and non-recyclable solutions to a licensed disposal company.
  - Contaminated packaging
  - Dispose of as unused product.



CAS-No. 1662688-20-1

**Revision Date** 

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**Section 14 - Transport Information** 

DOT (US)

Not dangerous goods

IMDG Not dangerous goods

IATA

Not dangerous goods

#### **Section 15 - Regulatory Information**

SARA 302 Components

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

SARA 313 Components

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 are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Fmoc-Lys[Oct-(OtBu)-Glu-(OtBu)-AEEA-AEEA]-OH CAS-No. 1662688-20-1

New Jersey Right To Know Components

Fmoc-Lys[Oct-(OtBu)-Glu-(OtBu)-AEEA-AEEA]-OH

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.

### **Section 16 - Other Information**

#### DISCLAIMER

For R&D use only. Not for drug, household or other uses.

#### WARRANTY

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 applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. CSBio (Shanghai) Ltd., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.