

# Safety Data Sheet

According to Regulation (EC) No. 1907/2006

Version: V1.0

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product Code: EG0012

Product Name: Fmoc-NH-PEG24-COOH

CAS Number: 2170484-59-8

Synonyms: Fmoc-N-amido-PEG24-acid; Fmoc-N-PEG24-acid; Fmoc-NH-PEG24-CH<sub>2</sub>CH<sub>2</sub>COOH

Product Use: Laboratory chemicals, manufacture of chemical compounds

### 1.2 Manufacturer Information

Company Name: Changsha Morning Shine Co., Ltd.

Phone Number: +86 18175992585

Web site address: <https://www.cscyy.cn/>

Email address: BD@csmspharm.com

Address: No. 102, Building 15, No. 426, Guyuan Road, Yuelu District, Changsha City, Hunan Province, China

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Hazard classification according to GHS

|                                                                                                                          |      |
|--------------------------------------------------------------------------------------------------------------------------|------|
| Causes skin irritation [Warning Skin corrosion/irritation]                                                               | H315 |
| Causes serious eye irritation [Warning Serious eye damage/eye irritation]                                                | H319 |
| May cause respiratory irritation [Warning Specific target organ toxicity, single exposure; Respiratory tract irritation] | H335 |
| No Resource File                                                                                                         |      |

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word: Warning

Hazard statement(s)

|      |                                                                                                                          |
|------|--------------------------------------------------------------------------------------------------------------------------|
| H315 | Causes skin irritation [Warning Skin corrosion/irritation]                                                               |
| H319 | Causes serious eye irritation [Warning Serious eye damage/eye irritation]                                                |
| H335 | May cause respiratory irritation [Warning Specific target organ toxicity, single exposure; Respiratory tract irritation] |

Precautionary statement(s)

|      |                                                                                   |
|------|-----------------------------------------------------------------------------------|
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray.                                  |
| P271 | Use only outdoors or in a well-ventilated area.                                   |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing |

protection/...

### 2.3 Other hazards which do not result in classification

None

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## SECTION 3: Composition/Information on Ingredients

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### 3.1 Substances

Product name: Fmoc-NH-PEG24-COOH  
Synonyms: Fmoc-N-amido-PEG24-acid; Fmoc-N-PEG24-acid;  
Fmoc-NH-PEG24-CH<sub>2</sub>CH<sub>2</sub>COOH  
Formula: C<sub>66</sub>H<sub>113</sub>NO<sub>28</sub>  
Molecular weight: 1368.59g/mol  
CAS No.: 2170484-59-8  
No components need to be disclosed according to the applicable regulations.

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## SECTION 4: First aid measures

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### 4.1 Description of first aid measures

#### If inhaled

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

#### In case of skin contact

Wash off with soap and plenty of water. Remove contaminated clothing.

#### In case of eye contact

Flush eyes with water as a precaution. Get medical attention if symptoms occur after washing.

Remove contact lenses if present and continue rinsing.

#### If swallowed

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

### 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 2.2) and/or in section 11

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

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## SECTION 5: Firefighting measures

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### 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

Carbon oxides

Nitrogen oxides (NO<sub>x</sub>)

Oxides of phosphorus

### 5.3 Advice for firefighters

A finely divided dust aerosol may be explosive, although the exact conditions of the hazards are unknown.

Wear appropriate protective clothing to prevent contact with skin and eyes.

Wear a self-contained breathing apparatus (SCBA) if necessary.

#### **5.4 Further information**

No data available

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### **SECTION 6: Accidental release measures**

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#### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapors, mist or gas.

For personal protection see section 8.

#### **6.2 Environmental precautions**

Do not let product enter drains.

#### **6.3 Methods and materials for containment and cleaning up**

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

Wear impermeable gloves, safety glasses and a lab coat when cleaning up the spill.

#### **6.4 Reference to other sections**

For disposal see section 13.

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### **SECTION 7: Handling and storage**

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#### **7.1 Precautions for safe handling**

##### **Advice on protection against fire and explosion**

Provide appropriate exhaust ventilation at places where dust is formed.

##### **Hygiene measures**

General industrial hygiene practice.

For precautions see section 2.2.

#### **7.2 Conditions for safe storage, including any incompatibilities**

##### **Storage conditions**

Keep container tightly closed. Store in well-ventilated place.

##### **Storage stability**

Recommended storage temperature: -20°C. Keep refrigerated and sealed.

#### **7.3 Specific end use(s)**

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

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### **SECTION 8: Exposure controls/personal protection**

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#### **8.1 Control parameters**

Ingredients with workplace control parameters

#### **8.2 Exposure controls**

##### **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 N100 (US) or type P3 (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**

Do not let product enter drains.

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## **SECTION 9: Physical and chemical properties**

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### **9.1 Information on basic physical and chemical properties**

|                                                 |                   |
|-------------------------------------------------|-------------------|
| a) Appearance                                   | Solid             |
| b) Odor                                         | No data available |
| c) Odor Threshold                               | No data available |
| d) pH                                           | No data available |
| e) Melting point/freezing point                 | No data available |
| f) Initial boiling point and boiling range      | No data available |
| g) Flash point                                  | No data available |
| h) Evaporation rate                             | No data available |
| i) Flammability (solid, gas)                    | No data available |
| j) Upper/lower flammability or explosive limits | No data available |
| k) Vapor pressure                               | No data available |
| l) Vapor density                                | No data available |
| m) Relative density                             | No data available |
| n) Water solubility                             | No data available |
| o) Partition coefficient: n-octanol/water       | No data available |

|                              |                                                                                  |
|------------------------------|----------------------------------------------------------------------------------|
| p) Auto-ignition temperature | No data available                                                                |
| q) Decomposition temperature | No data available                                                                |
| r) Viscosity                 | Viscosity, kinematic: No data available<br>Viscosity, dynamic: No data available |
| s) Explosive properties      | No data available                                                                |
| t) Oxidizing properties      | No data available                                                                |

## 9.2 Other safety information

No data available

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## SECTION 10: Stability and reactivity

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### 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

Air, light, and moisture sensitive.

### 10.5 Incompatible materials

Strong acids and oxidizing agents, Strong bases, Water.

### 10.6 Hazardous decomposition products

In the event of fire: see section 5

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## SECTION 11: Toxicological information

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### 11.1 Information on toxicological effects

#### Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitization

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

No data available

#### 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

**11.2 Additional Information**

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

This product should be handled with the usual care when dealing with chemicals.

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**SECTION 12: Ecological information**

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**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 Endocrine disrupting properties**

No data available

**12.7 Other adverse effects**

No data available

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**SECTION 13: Disposal considerations**

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**13.1 Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Sweep up bulk of material and finish by wiping with a damp towel. Dispose of as unused product.

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**SECTION 14: Transport information**

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DOT (US):

Not dangerous goods

IMDG:

Not dangerous goods

IATA:

Not dangerous goods

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## SECTION 15: Regulatory information

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### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008.

REACH - Restrictions on the manufacture, placing on the market : Not applicable  
and use of certain dangerous substances, preparations and articles  
(Annex XVII)

#### National legislation

Seveso III: Directive 2012/18/EU of the European Parliament and : Not applicable  
of the Council on the control of major-accident hazards involving  
dangerous substances.

### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

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## SECTION 16: Other information

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### Further information

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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. Changsha Morning Shine Co., Ltd shall not be held liable for any damage resulting from handling or from contact with the above product. For further information please contact [BD@csmspharm.com](mailto:BD@csmspharm.com).