



Alan Scientific

Alan Scientific Inc

Material Safety Data Sheet

Product: Fmoc-Ile-OH
MSDS No: AS1011
Revision: 1.0

Section 1 - Product and Company Information

Product Name	Fmoc-Ile-OH
Product Code	AS1011
Company	Alan Scientific Inc. Address: 11749 Split Tree Cir., Potomac, MD 20854 U.S.
EMERGENCY CONTACTS	(888)-757-1116 (Dr. Jason Zhi)

Section 2 - Composition/Information on Ingredients

Substance Name	Fmoc-Ile-OH
CAS No.	71989-23-6
Formula	C ₂₁ H ₂₃ NO ₄
Molecular Weight	353.41 g/mol

Section 3 - Hazards Identification

Classification of the substance or mixture

Not classified as a hazardous substance or mixture in the referenced supplier SDS.

Label elements

No GHS pictogram or signal word is required under the referenced classification.

Other hazards

The toxicological properties of this research chemical are not fully characterized. Avoid inhalation of dust and contact with skin or eyes. Use standard laboratory protective equipment.

Section 4 - First Aid Measures

If inhaled Move the affected person to fresh air. Seek medical advice if symptoms persist.

In case of skin contact Remove contaminated clothing and rinse skin thoroughly with water.

In case of eye contact Rinse cautiously with plenty of water. Remove contact lenses if present and easy to do. Continue rinsing.

If swallowed Rinse mouth. Give water if the person is conscious. Seek medical advice if unwell.

Most important symptoms and effects No specific symptoms have been established. Limited toxicological data are available.



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Section 5 - Fire Fighting Measures

Suitable extinguishing media Use water spray, foam, carbon dioxide (CO₂), or dry chemical powder.

Special hazards Combustible organic solid. Thermal decomposition may produce carbon oxides and nitrogen oxides; sulfur-containing products may additionally produce sulfur oxides.

Advice for firefighters Wear self-contained breathing apparatus and appropriate protective equipment.

Further information Prevent contaminated fire-fighting water from entering drains or waterways where practical.

Section 6 - Accidental Release Measures

Personal precautions Avoid dust formation and inhalation. Use suitable gloves, eye protection and laboratory clothing.

Environmental precautions Avoid release to drains or the environment.

Methods for cleanup Carefully collect dry material without generating dust and place in a suitable closed container for disposal. Clean the affected area.

Section 7 - Handling and Storage

Handling Use good laboratory hygiene. Avoid contact with eyes and skin and avoid generating or breathing dust.

Storage Cool, dry place (≤ 25 C). Follow the product label and lot-specific documentation when provided.

Specific end use Peptide synthesis; chemical synthesis; research use only.

Section 8 - Exposure Controls / PPE

Control parameters No substance-specific occupational exposure limit has been identified.

Engineering controls Provide adequate ventilation, particularly where dust may be generated.

Eye protection Safety glasses or chemical safety goggles.

Hand protection Chemical-resistant laboratory gloves such as nitrile gloves. Confirm compatibility with solvents used.

Respiratory protection Normally not required under adequately ventilated conditions. Use suitable particulate protection if dust is generated.



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Section 9 - Physical/Chemical Properties

Physical state	Solid
Appearance	White powder
Molecular Formula	C ₂₁ H ₂₃ NO ₄
Molecular Weight	353.41 g/mol
Melting point	See product specification or lot-specific CoA
Water solubility	No safety-relevant data available
Odor	No data available
Flash point	No data available

Section 10 - Stability and Reactivity

Reactivity No hazardous reactivity is expected under recommended laboratory handling conditions.

Chemical stability Expected to be stable when stored appropriately in a tightly closed container.

Conditions to avoid Excess heat, moisture and unnecessary exposure to air or light where applicable.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products Carbon oxides and nitrogen oxides may form under fire conditions; sulfur oxides may form for sulfur-containing compounds.

Section 11 - Toxicological Information

Acute toxicity No adequate data available.

Skin corrosion/irritation No adequate data available.

Serious eye damage/eye irritation No adequate data available.

Respiratory or skin sensitization No adequate data available.

Germ cell mutagenicity No adequate data available.

Carcinogenicity No adequate data available.

Reproductive toxicity No adequate data available.

Additional information The chemical, physical and toxicological properties have not been thoroughly investigated. Handle with appropriate laboratory caution.



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Section 12 - Ecological Information

Ecotoxicity No adequate data available.

Persistence and degradability No adequate data available.

Bioaccumulative potential No adequate data available.

Mobility in soil No adequate data available.

Other adverse effects Avoid uncontrolled release to the environment.

Section 13 - Disposal Considerations

Product Dispose of chemical waste in accordance with applicable federal, state, local and institutional regulations. Do not mix with incompatible waste streams.

Contaminated packaging Dispose of as unused product unless local regulations permit another method.

Section 14 - Transport Information

UN number Not assigned in the referenced supplier SDS.

ADR/RID Not classified as dangerous goods in the referenced supplier SDS.

IMDG Not classified as dangerous goods in the referenced supplier SDS.

IATA Not classified as dangerous goods in the referenced supplier SDS.

Environmental hazards Not identified as a marine pollutant in the referenced supplier SDS.



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Section 15 - Regulatory Information

Regulatory status can vary by jurisdiction and intended use. The referenced supplier SDS classifies this material as not hazardous under the applicable GHS criteria. Users remain responsible for determining applicable U.S. federal, state, local and institutional requirements.

For research use only. Not intended for human or veterinary diagnostic or therapeutic use.

Section 16 - Other Information

Sources consulted

Alan Scientific product information; Merck/MilliporeSigma and AnaSpec SDS information for Fmoc-Ile-OH (CAS 71989-23-6), which classifies the material as not a hazardous substance or mixture.

DISCLAIMER

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

WARRANTY

The information above is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. It reflects the present state of our knowledge regarding appropriate safety precautions and does not represent any guarantee of product properties. Alan Scientific Inc. shall not be held liable for damage resulting from handling or contact with the product.