

Reanal Finechemical Co.

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1. Identification of the substance and the company

Product name: **N- α -Fmoc-L-proline**
Fmoc-Pro-OH

Synonyms: **FMOc-proline**

CAS-No: **71989-31-6**

EU-No: **276-259-0**

REANAL Product Number: **22680**

Company identification: **Reanal Finechemical Co.**
Address: HUNGARY, H-1147 Budapest, Telepes u. 53.
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2. Composition / Information on ingredients

Molecular formula: **C₂₀H₁₉NO₄**

Relative molecular weight: **337.37**

3. Hazard statements

Hazard symbols and-signs:
Substance non classified as hazardous according to Directive 67/548/EEC.

4. First aid measures

General:

Remove provided person from the exposed area, if necessary make lay him/her comfortable and loosen tight clothing. Remove contaminated clothing and shoes, wash contaminated clothing before reuse.

After inhalation:

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration.

After swallowing:

If swallowed, wash out mouth with water provided person is conscious.

After eye contact:

In case of contact immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelid with fingers.

After skin contact:

In case of skin contact, immediately wash skin with soap and copious amounts of water.

5. Fire fighting measures

Noncombustible. Use extinguishing media appropriate to surrounding fire conditions. Use water spray to cool containers under fire conditions. Emits toxic fumes under fire conditions.

6. Accidental release measures

Close contaminated area. Wear self-contaminated breathing apparatus, rubber boots and heavy rubber gloves according to degree of contamination. Do not allow contamination to get to drain. Sweep up, place in container and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

7. Handling and storage

Keep containers out of use tightly closed. Store in labelled container, in a cool, dry place.

Storage temperature: **below 10 °C**

8. Exposure controls / Personal protection

Exposure controls:

Protective clothing should be selected specifically for the working place, depending on concentrations and quantity of the hazards. Avoid contact with eyes, skin and clothing. Do not breathe dust. When working do not eat or smoke. Mechanical exhaust is required. Safety shower and eye bath are required. Wash thoroughly after handling. Take care of bathing facilities with warm water after work.

Personal protective equipment:

Protective clothing.

Eye protect:

Chemical safety goggles.

Hand protect:

Chemical-resistant rubber gloves.

Respiration protection:

Respirator.

Specific control parameters

MAK (mg/m³):

9. Physical and chemical properties

Appearance:	White to off-white powder
Form:	szilárd
Colour:	fehér
Melting point [°C]:	113-120
Optical rotation ($\alpha_{20/D}$):	-31.6° - -34.6°

10. Stability and reactivity

Incompatibilities:

Strong oxidizing agents.

Decomposition products:

Carbon monoxide, carbon dioxide, Nitrogen oxides, Hydrogen fluoride.

11. Toxicological information

Acute toxicity:

Exposure can cause: nausea, headache and vomiting. Narcotic effect. Powder of material in high concentration can cause eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled, swallowed or skin absorption.

12. Ecological information

WGK (German Water Hazard Classification): 0

13. Disposal information

Chemicals must be disposed of in compliance with the respective national regulations.

14. Transport information

Data not yet available.

15. Regulatory information

Safety phrases:

22 Do not breathe dust.

24/25 Avoid contact with skin and eyes.

Labelling according to EC Directives.

16. Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Reanal shall not be held liable for any damage resulting from handling or from contact.