

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH)

Creation date: 25.02.2010

Version 3.2 Revision date 06.04.2022



## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

|                |                                      |
|----------------|--------------------------------------|
| Product name   | <b>Fmoc-amino PEG propionic acid</b> |
| Product number | 15137-2790                           |
| Brand          | Polypure AS                          |
| CAS No.        | 2101605-02-9                         |

### 1.2 Relevant identified uses of the substance and uses advised against

|                 |   |
|-----------------|---|
| Identified uses | Laboratory chemicals, manufacturing of substances. Not for human use. |
|-----------------|---|

### 1.3 Details of the supplier of the safety data sheet

|           |  |
|-----------|--|
| Company   | Polypure AS  |
| Address   | Gaustadalléen 21<br>N-0349 Oslo<br>Norway                |
| Telephone | (+47) 21 08 07 40  |
| E-mail    | <a href="mailto:info@polypure.com">info@polypure.com</a> |

### 1.4 Emergency telephone number

|                                 |                   |
|---------------------------------|-------------------|
| Poison Information Center (24h) | (+47) 22 59 13 00 |
| CHEMTREC (24h/7days)            | (+47) 21 93 06 78 |
| Fire and larger accidents       | 1 10              |
| Ambulance and medical emergency | 1 13              |

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
This substance is not classified as dangerous according to Directive 67/548/EEC.

### 2.2 Label elements

Caution - substance not yet tested completely.

### 2.3 Other hazards - none

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance

|                   |   |
|-------------------|---|
| Synonyms          | : O-(2-Carboxyethyl)-O'-[2-(Fmoc-amino)-ethyl]heptacosaeethylene glycol |
| Molecular Formula | : C <sub>74</sub> H <sub>129</sub> NO <sub>32</sub>                     |
| Molecular Weight  | : 1544.80 g/mol   |
| CAS-No.           | : 2101605-02-9  |

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## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### a) General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### b) If inhaled

Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

#### c) In case of skin contact

Wash with soap and plenty of water. Consult a physician.

#### d) In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### e) 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 (section 2.2) and/or in section 11.

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

No data available.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1 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>).

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

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

Keep in suitable, closed containers for disposal.

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## 6.4 Reference to other sections

For disposal see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Normal measures for preventive fire protection. For precautions see section 2.2.

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

Store in a tightly closed container in a dry, well-ventilated and cold place (recommended storage temperature: - 20 °C). Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 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/PERSONAL PROTECTION

### 8.1 Control parameters

No data available.

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment:

##### a) Respiratory protection

Respiratory protection is not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### b) Hand 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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### c) Eye protection

Use safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

##### d) Body protection

Use impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|  |  |
|--|--|
| Appearance                             | Form: Fine crystals with lumps<br>Colour: light yellow |
| Odour / Odour threshold                | No data available.                                     |
| pH                                     | No data available.                                     |
| Boiling point/ boiling range           | No data available.                                     |
| Flash point                            | No data available.                                     |
| Flammability (solid, gas)              | No data available.                                     |
| Explosive properties                   | No data available.                                     |
| Oxidising properties                   | No data available.                                     |
| Vapour pressure                        | No data available.                                     |
| Relative density                       | No data available.                                     |
| Solubility                             | No data available.                                     |
| Water solubility                       | No data available.                                     |
| Partition coefficient: n-octanol/water | No data available.                                     |
| Viscosity                              | No data available.                                     |
| Vapour density                         | No data available.                                     |
| Evaporation rate                       | No data available.                                     |

### 9.2 Other information

No data available.

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity** No data available.

**10.2 Chemical stability** This compound is stable under the recommended storage conditions (see section 7.2).

**10.3 Possibility of hazardous reactions**  
No data available.

**10.4 Conditions to avoid** No data available.

**10.5 Incompatible materials** Strong oxidising agents.

**10.6 Hazardous decomposition products**  
No data available. In the case of fire, see section 5.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**a) Acute toxicity** No data available.

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|  |  |            |  |           |                              |      |   |      |                           |
|--|--|------------|--|-----------|------------------------------|------|---|------|---------------------------|
| <b>b) Skin corrosion/irritation</b>                          | No data available.   |            |  |           |                              |      |   |      |                           |
| <b>c) Serious eye damage/eye irritation</b>                  | No data available.   |            |  |           |                              |      |   |      |                           |
| <b>d) Respiratory or skin sensitization</b>                  | No data available.   |            |  |           |                              |      |   |      |                           |
| <b>e) Germ cell mutagenicity</b>                             | No data available.   |            |  |           |                              |      |   |      |                           |
| <b>f) Carcinogenicity</b>                                    | 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.  |            |  |           |                              |      |   |      |                           |
| <b>g) Reproductive toxicity</b>                              | No data available.   |            |  |           |                              |      |   |      |                           |
| <b>h) Specific target organ toxicity - single exposure</b>   | No data available.   |            |  |           |                              |      |   |      |                           |
| <b>i) Specific target organ toxicity - repeated exposure</b> | No data available.   |            |  |           |                              |      |   |      |                           |
| <b>j) Aspiration hazard</b>                                  | No data available.   |            |  |           |                              |      |   |      |                           |
| <b>k) Potential health effects</b>                           | <table><tr><td>Inhalation</td><td>May be harmful if inhaled. May cause respiratory tract irritation.</td></tr><tr><td>Ingestion</td><td>May be harmful if swallowed.</td></tr><tr><td>Skin</td><td>May be harmful if absorbed through skin. May cause skin irritation.</td></tr><tr><td>Eyes</td><td>May cause eye irritation.</td></tr></table> | Inhalation | May be harmful if inhaled. May cause respiratory tract irritation. | Ingestion | May be harmful if swallowed. | Skin | May be harmful if absorbed through skin. May cause skin irritation. | Eyes | May cause eye irritation. |
| Inhalation   | May be harmful if inhaled. May cause respiratory tract irritation.   |            |  |           |                              |      |   |      |                           |
| Ingestion  | May be harmful if swallowed.   |            |  |           |                              |      |   |      |                           |
| Skin   | May be harmful if absorbed through skin. May cause skin irritation.  |            |  |           |                              |      |   |      |                           |
| Eyes   | May cause eye irritation.  |            |  |           |                              |      |   |      |                           |

## Additional information

RTECS: Not available

## SECTION 12: ECOLOGICAL INFORMATION

|   |                    |
|---|--------------------|
| <b>12.1 Ecotoxicity</b>                   | No data available. |
| <b>12.2 Mobility</b>                      | No data available. |
| <b>12.3 Persistence and degradability</b> | No data available. |
| <b>12.4 Bioaccumulative potential</b>     | No data available. |
| <b>12.5 Results of PBT assessment</b>     | No data available. |
| <b>12.6 Other adverse effects</b>         | No data available. |

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## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### a) Product

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

#### b) Contaminated packaging

Dispose of as unused product.

#### c) Note

Observe all federal, state, and local environment regulations.

## SECTION 14: TRANSPORTATION INFORMATION

### 14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

### 14.2 UN proper shipping name

RID/ADR

Not restricted chemical for road freight

IMDG

Not restricted chemical for sea freight

ICAO/IATA

Not restricted chemical for air freight

### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

### 14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

### 14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

### 14.6 Special precautions for user

No data available

## SECTION 15: REGULATORY INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No data available

### 15.2 Chemical Safety Assessment

No data available

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## SECTION 16: OTHER INFORMATION

### Further 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.

The information in this document is based on the present state of our knowledge and is applicable to the product with regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

Polypure AS and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

### Version changes

Version 3.0 is a complete revision of the content and the lay-out of the previous version 2.1. The latest relevant information on this chemical entity has been retrieved from The European Chemical Agency homepage and/or other relevant sources.

The lay-out is in accordance with Annex II, Guide to the compilation of safety data sheets, as presented in the Official Journal of the European Union, 29 May 2007.

Version 3.1 is modified in the following sections:

S1.4: Added phone numbers for CHEMTREC, fire and ambulance

S14.2: Non-hazardous was changed to Not restricted chemical

Version 3.2 is modified in the following sections:

S1.1: Added CAS no.

S3.1: Added CAS no.