# SAFETY DATA SHEET

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**Preparation Date:** 01/01/2019 **Revision Date:** N/A **Revision Number:** N/A

## 01 Identification of the substance/mixture and of the company/undertaking

- Trade name : Fmoc-Asn(Trt)-OH
- Catalog : AA31257
- CAS Number: 132388-59-1
- Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation
  Laboratory chemicals
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  Dawn Scientific Inc
  121 Liberty Street, Metuchen, NJ, 08840
  Tel : 732-902-6300
  Fax : 973-802-1005
  sales@dawnscientific.com
  www.dawnscientific.com
- Further information obtainable from:
  Department: Marketing
- Emergency telephone number:
  +41 44 251 51 51 (Tox Info Suisse)

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## 02 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  Void
- Label elements
- Labelling according to Regulation (EC) No 1272/2008
  Void
- Signal word
  Void
- Hazard statements
  Void
- Other hazards
- Results of PBT and vPvB assessment
- PBT:
  Not applicable.
- vPvB:
  Not applicable.

## 03 Composition/information on ingredients

- Chemical characterization: Substances

| ***CAS No.*** | ***Description*** |
|---|---|
| 132388-59-1 | Fmoc-Asn(Trt)-OH |

- Identification number(s)
- EC number:
  -
- RTECS Number:
  -

## 04 First aid measures

- After inhalation:
  Supply fresh air; consult doctor in case of complaints.
- After skin contact:
  Immediately wash with water and soap and rinse thoroughly.
- After eye contact:
  Rinse opened eye for several minutes under running water.
- After swallowing:
  Call a doctor immediately.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed
  No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
  No further relevant information available.

## 05 Firefighting measures

- Suitable extinguishing agents:
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture
  No further relevant information available.
- Advice for firefighters
- Protective equipment:
  No special measures required.

## 06 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Not required.
- Environmental precautions:
  No special measures required.
- Methods and material for containment and cleaning up:
  Pick up mechanically.

## 07 Handling and storage

- Handling:
- Precautions for safe handling
  Prevent formation of dust.
- Information about fire - and explosion protection:
  No special measures required.
- Storage:
- Requirements to be met by storerooms and receptacles:
  No special requirements.
- Information about storage in one common storage facility:
  Store away from foodstuffs.
- Further information about storage conditions:
  Store in dry conditions.
- Recommended storage temperature:
  RT
- Specific end use(s)
  No further relevant information available.

## 08 Exposure controls/personal protection

- Ingredients with limit values that require monitoring at the workplace:

***CAS No.*** ***Designation of material***

Not required.

- Additional information:
  The lists valid during the making were used as basis.
- Personal protective equipment:
- General protective and hygienic measures:
  The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection:
  In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  Use suitable respiratory protective device in case of insufficient ventilation.
- Protection of hands:
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  Protective gloves
- Material of gloves
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- Penetration time of glove material
  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection:
  Safety glasses

## 09 Physical and chemical properties

| | |
|---|---|
| ***General Information*** | |
| ***Appearance:*** | |
| ***Form:*** | Powder |
| ***Colour:*** | White |
| ***Odour:*** | Nearly odourless |
| ***Odour threshold:*** | Not determined. |
| ***Molecular Weight*** | 596,6800 g/mol |
| ***Change in condition*** | |
| ***Melting point/Melting range:*** | 211 ℃ |
| ***Boiling point/Boiling range:*** | Undetermined. |
| ***Flash point:*** | Not applicable. |
| ***Flammability (solid, gaseous):*** | Not applicable. |
| ***Ignition temperature:*** | |
| ***Decomposition temperature:*** | Not determined. |
| ***Self-igniting:*** | Not determined. |
| ***Danger of explosion:*** | Not determined. |
| ***Explosion limits:*** | |
| ***Lower:*** | Not determined. |
| ***Upper:*** | Not determined. |
| ***Vapour pressure:*** | Not determined. |
| ***Density:*** | Not determined. |
| ***Solubility in / Miscibility with*** | |
| ***water:*** | Not determined. |
| ***Viscosity:*** | |
| ***Dynamic:*** | Not determined. |
| ***Kinematic:*** | Not determined. |
| ***Other information*** | No further relevant information available. |

## 10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
  No decomposition if used according to specifications.
- Possibility of hazardous reactions
  No dangerous reactions known.
- Conditions to avoid
  No further relevant information available.
- Incompatible materials:
  No further relevant information available.
- Hazardous decomposition products:
  No dangerous decomposition products known.

## 11 Toxicological information

- Acute toxicity:
  No further relevant information available.
- Primary irritant effect:
- on the skin:
  No further relevant information available.
- on the eye:
  No further relevant information available.
- Sensitization:
  No sensitizing effects known.
- Additional toxicological information:
  The substance is not subject to classification according to the latest version of the EU lists.

## 12 Ecological information

- Acquatic toxicity:
  No further relevant information available.
- Persistence and degradability
  No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential
  No further relevant information available.
- Mobility in soil
  No further relevant information available.
- Additional ecological information:
- General notes:
  Not known to be hazardous to water.
- Results of PBT and vPvB assessment
- PBT:
  Not applicable.
- vPvB:
  Not applicable.
- Other adverse effects
  No further relevant information available.

## 13 Disposal considerations

- Waste treatment methods
- Waste disposal key:
  18 02 06

- Uncleaned packaging:
- Recommendation:
  Disposal must be made according to official regulations.

## 14 Transport information

***ADR/RID class:*** -

***IMDG Class:*** -

***ICAO/IATA Class:*** -

- Environmental hazards:
  Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
  Not applicable.

## 15 Regulatory information

- National regulations:

- Waterhazard class:
  Generally not hazardous for water.Self-assessment
- Chemical safety assessment:
  A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS:
  Department: Marketing
- Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  IMDG: International Maritime Code for Dangerous Goods
  IATA: International Air Transport Association
  ICAO: International Civil Aviation Organisation
  EINECS: European Inventory of Existing Commercial Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  RTECS: Registry of Toxic Effects of Chemical Substances
  WGK: Wassergefährdungsklasse
  vPvB: very Persistent and very Bioaccumulative
- * Data compared to the previous version altered.