

SAFETY DATA SHEET

Revision Date 08/04/2023

| 1.1 | OUCT AND COMPANY IDENTIFICA Product identifiers | | |
|---|--|--|--|
| | Product name | : Fmoc-D-His(Trt)-OH | |
| | Product Number | : FH3316 | |
| | Brand | : Advanced ChemTech | |
| | CAS-No. | : 135610-90-1 | |
| 1.2 | | substance or mixture and uses advised against | |
| | Identified uses | : Laboratory chemicals, Manufacture of substances | |
| 1.3 | Details of the supplier of the safety data sheet | | |
| | Company : Advanced ChemTech | | |
| | company | 5609 Fern Valley Rd, Louisville, KY 40228 USA | |
| | Telephone | :+1 833-317-5620 | |
| | Fax | : +1 502-968-1000 | |
| 1.4 | Emergency telephone number | | |
| | | | |
| 2. HAZA 2.1 | RDS IDENTIFICATION Classification of the substance | or mixture: | |
| | | | |
| | GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Chronic aquatic toxicity (Category 4), H413 | | |
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| 2.2 | For the full text of the H-Statements mentioned in this Section, see Section 16. GHS Label elements, including precautionary statements: | | |
| <u></u> | · · · | | |
| | Pictogram | None | |
| | Signal Word: | None | |
| | Hazard statement(s) | | |
| | H413 | May cause long lasting harmful effects to aquatic life. | |
| | Precautionary statement(s) | | |
| | P273 | Avoid release to the environment. | |
| | P501 | Dispose of contents/ container to an approved waste disposal plant. | |
| 2.3 | Hazards not otherwise classifie | d (HNOC) or not covered by GHS – none | |
| 3. COM | POSITION/INFORMATION ON INGR | EDIENTS | |
| 3.1 | Substances | | |
| | Formula | : C ₄₀ H ₃₃ N ₃ O ₄ | |
| | Molecular Weight | : 619.72g/mole | |
| | | | |
| | CAS-No. : 135610-90-1 | | |
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| | No components need to be disclo | sed according to the applicable regulations. | |
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| 4. FIRST | No components need to be disclo For the full text of the H-Statemer | sed according to the applicable regulations. Its mentioned in this Section, see Section 16. | |
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- 8.1 Control parameters Components with workplace control parameters Contains no substances with occupational exposure limit values. 8.2 Exposure controls Appropriate engineering controls General industrial hygiene practice. Personal protective equipment



SAFETY DATA SHEET

Eye/face protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or FN 166(FU)

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 N95 (US) or type P1 (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.

9. PHYSICAL AND CHEMICAL PROPERTIES 9.1

| a) Appearance | Form: White to Off-White powder |
|---|--|
| b) Odor | no data available |
| c) Odor Threshold | no data available |
| d) pH | no data available |
| e) Melting point/freezing point | Melting point/range: 141 - 146 °C (286 - 295 °F) |
| 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 |
| I) Vapor density | no data available |
| m) Relative density | no data available |
| n) Water solubility | no data available |
| Partition coefficient: n- octanol/water | log Pow: 7.992 |
| p) Auto-ignition temperature | no data available |
| q) Decomposition temperature | no data available |
| r) Viscosity | no data available |
| s) Explosive properties | no data available |
| t) Oxidizing properties | no data available |
| Other safety information: | no data available |

10. STABILITY AND REACTIVITY

9.2

10.1 Reactivity: No data available

- 10.2 Chemical stability: Stable under recommended storage conditions.
- Possibility of hazardous reactions: No data available 10.3
- Conditions to avoid: No data available 10.4
- 10.5
- Incompatible materials: Strong oxidizing agents Hazardous decomposition products: Other decomposition products no data available. In the event of fire: see section 5 10.6

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects Acute toxicity: No data available 11.1 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 component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed IARC: human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential OSHA: carcinogen by OSHA. 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 Additional Information: RTECS: Not available To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. **12. ECOLOGICAL INFORMATION**

- 12.1 Toxicity: No data available
- 12.2 Persistence and degradability: No data available
- 12.3 Bioaccumulative potential: No data available
- Mobility in soil: No data available 12.4
- 12.5 Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- 12.6 Other adverse effects: No data available



SAFETY DATA SHEET

13. DISPOSAL CONSIDERATIONS Waste treatment methods 13.1

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US) Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards: No SARA Hazards Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right to Know Components Fmoc-D-His(Trt)-OH CAS-No. **Revision Date** 135610-90-1 New Jersey Right to Know Components Fmoc-D-His(Trt)-OH CAS-No. Revision Date 135610-90-1 California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. Full text of H-Statements referred to under sections 2 and 3. H413 May cause long lasting harmful effects to aquatic life

16. OTHER INFORMATION

HMIS Rating Health hazard: 0 Chronic Health Hazard: Flammability: 0 Physical Hazard 0 NFPA Rating Health hazard: 0 Fire Hazard: 0 Reactivity Hazard: 0

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Advanced ChemTech shall not be liable for any damage resulting in the handling or from contact with the above product.