

# Amino Acid, Fmoc-Cys(Trt)-OH

600705  
Rev 2  
March 2016

Part Numbers: A005-A5, A005-B5, A005-C, A005-D

## 1. IDENTIFICATION OF PRODUCT AND THE COMPANY

### 1.1 Product identifiers

Product name: Amino Acid, Fmoc-Cys(Trt)-OH  
Chemical Name: Fmoc-Cys(Trt)-OH

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

Company: CEM Corporation  
3100 Smith Farm Rd, Matthews, NC 28104

Telephone: 704-821-7015  
Fax: 704.821.7894  
E-mail address:peptide.support@cem.com

## 2. HAZARDS IDENTIFICATION

Not hazardous

Classification:

Flammability:	1
Reactivity:	0
Health:	0

Environment effects: None known

Special Hazards: None

Health effects: None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:

Ingredient: C<sub>37</sub>H<sub>31</sub>N<sub>0</sub>O<sub>4</sub>S (N-alpha-Fmoc-S-trityl-L-cysteine)

CAS No.: 103213-32-7

Concentration: 100

## 4. FIRST AID MEASURES

**Skin contact:** Flush with running water

**Eye contact:** Flush with water for 15 minutes (remove contacts)

**Inhalation:** Remove to fresh air

**Ingestion:** Do NOT induce vomiting.

**Personal protection for the first aid person:** None

**Indication for physician:** Possible redness of skin, difficulty breathing

## 5. FIRE-FIGHTING MEASURES

**Suitable fire extinguishing media:** Use dry chemical powder or water spray

**Any special protection required for emergency responders:** For large quantities firefighters should wear positive pressure breathing equipment (SCBA)

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear disposable gloves

**Environment precautions:** None

**Methods of containment:** None required (powder)

**Methods for cleaning up:** Use wet towel, use dust pan and small brush.

## 7. HANDLING AND STORAGE

**Handling precautions:** Do not breathe powder. Wash hands after using material.

**Storage conditions:** Keep away from heat. Prolonged storage (over 6months) at temperatures below -20° C (-4° F) recommended.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits:** None

**Personal protection equipment**

**Hands protection:** Wear disposable gloves. Wash hands after using material.

**Eye protection:** None required

**Skin and body protection:** Lab coat and gloves suggested

**Respirators protection:** Not required

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White to yellowish powder (considered a solid crystalline powder)

**Odor:** None

**Flammability:** 1

**Melting Point:** 164 to 175° C

**Boiling point:** Not applicable

**Freezing point:** Not known

**Solubility:** Insoluble in water

**Vapor pressure:** Not applicable

**Relative density:** Unknown

**pH value:** Not known

**Flash point:** Not applicable

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable

**Possible hazard under special condition:** High heat, flame

**Condition to avoid:** High heat, flame

**Material to avoid:** None

**Hazardous decomposition procedures:** Produces carbon oxides; nitrogen oxides

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity: Not applicable

## 12. ECOLOGICAL INFORMATION

Not toxic

## 13. DISPOSAL CONSIDERATIONS

None

## 14. TRANSPORT INFORMATION

Classified as a hazardous material? NO

DOT classification: None

IATA/ICAO classification: None

UN numbers: None

UN proper shipping name: Not applicable

Packing group: Not applicable

## 15. REGULATORY INFORMATION

Road and traffic safety regulation: None

## 16. OTHER INFORMATION

This information is presented in good faith and believed to be accurate as of the date shown. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

Date Created: 1/2005

Revised: 7/2014