Click http://www.guidechem.com/cas-112/112883-39-3.html for suppliers of this product

Fmoc-D-Aspartic acid beta-tert-butyl ester (cas 112883-39-3) MSDS

Conforms to 93/112/EC and ISO 11014-1

SAFETY DATA SHEET
Order Number Customer Number

Identification of the substance/preparation and of the company/undertaking
1.
Fmoc-D-Asp(OtBu)-OH : 04-13-1050
Product name : Catalog #
Manufactured by Merck Biosciences AG
Supplier
Weidenmattweg 4
Chemical formula C23H25NO6
Lufelfingen
Switzerland
+41 62 285 2525
FAX: +41 62 285 2520
EMD Biosciences, Inc.
P.O. Box 12087
La Jolla, CA 92039-2087
(858) 450-5558/(800) 854-3417
FAX: (858) 453-3552

N-alpha-Fmoc-D-aspartic acid beta-t.-butyl ester
Synonym :

Emergency: Call Chemtrec?
telephone number (800)424-9300 (within U.S.A.)
(703)527-3887 (outside U.S.A.)

Composition / information on ingredients
2.
Substance
Substance/Preparation

Chemical name* CAS No. EC Number Symbol R-Phrases
N-alpha-Fmoc-D-aspartic acid beta-t.-butyl ester 112883-39-3 Not available. - -

Hazards identification
3.
Not applicable.
Physical/chemical hazards
No specific hazard.
Human health hazards

First-aid measures
4.
First-Aid measures

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Repeated or prolonged exposure is not known to aggravate medical condition.

Aggravating conditions

5. Fire-fighting measures

May be combustible at high temperature.

Extinguishing Media

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Suitable

These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).

Hazardous thermal (de)composition products

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Special fire-fighting procedures

Be sure to use an approved/certified respirator or equivalent.

Protection of fire-fighters

04-13-1050

Catalog #

Accidental release measures

6.

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

Personal precautions

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Small Spill and Leak

Use a shovel to put the material into a convenient waste disposal container.

Large Spill and Leak

Handling and storage

7.

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.

Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 20??C (68??F).

Storage

Packaging materials

Use original container.

Recommended use
Exposure controls/personal protection

8. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hygiene measures

9. Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Personal protective equipment

- Lab coat.
- Skin and body
- Safety glasses.
- Eyes

10. Stability and reactivity

- The product is stable.

Hazardous Decomposition Products

11. Toxicological information

RTECS #: N/A

Local effects

- Skin irritation: Not available.
- LD50: Not available.
- Acute toxicity
- LC50: Not available.
- Repeated or prolonged exposure is not known to aggravate medical condition.

Other Toxic Effects on Humans

No specific information is available in our database regarding the other toxic effects of this material for humans.

Not available.
To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

Carcinogenic effects: Not available.

Mutagenic effects

Reproduction toxicity: Not available.

Teratogenic effects

12. Ecological information

Ecotoxicity

The product itself and its products of degradation are not toxic.

Toxicity of the Products of Biodegradation

13. Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Methods of disposal: Waste of residues; Contaminated packaging

14. Transport information

International transport regulations

Land - Road/Railway

Not controlled under ADR (Europe).

ADR/RID Class

Sea

Not controlled under IMDG.

IMDG Class

Air

Not controlled under IATA

IATA-DGR Class

Not applicable.

Special Provisions for Transport

15. Regulatory information

EU Regulations

This product is not classified according to the EU regulations.

Risk Phrases

U.S. Federal Regulations: TSCA No products were found.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found.

Clean air act (CAA) 112 regulated flammable substances: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

Not controlled under the HCS (United States).

HCS Classification

State Regulations:

Not controlled under WHMIS (Canada).
No products were found.

16. Other information
Hazardous Material 0 National Fire
Health
Fire Hazard 1
Information System Protection Association 1
Fire Hazard (U.S.A.) (U.S.A) 0 0
Health Reactivity 0
Reactivity
Specific Hazard A
Personal Protection
Personal Protection

Notice to Reader
To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. **This product is intended for research use only.**

04-13-1050
Catalog #
04-13-1050
Catalog # Date of issue 8/14/2003.