SIGMA-ALDRICH

MATERIAL SAFETY DATA SHEET

Date Printed: 03/13/2011 Date Updated: 01/29/2006

Version 1.2

Section 1 - Product and Company Information

Product Name N-T-BOC-L-ASPARTIC ACID B-T-BUTYL ESTER

DICYCLOHEXYLAMMONIUM

Product Number B4504 Brand SIGMA

Company Sigma-Aldrich

Address 3050 Spruce Street

SAINT LOUIS MO 63103 US

Technical Phone: 800-325-5832 Fax: 800-325-5052 Emergency Phone: 314-776-6555

Section 2 - Composition/Information on Ingredient

Substance Name CAS # SARA 313

N-T-BOC-L-ASPARTIC ACID B-T-BUTYL 1913-12-8 No

ESTERDICYCLOHEXYLAMMONIUM

Formula C13H23N06.C12H23N

Section 3 - Hazards Identification

HMIS RATING

HEALTH: 0

FLAMMABILITY: 0 REACTIVITY: 0

NFPA RATING

HEALTH: 0

FLAMMABILITY: 0
REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Section 5 - Fire Fighting Measures

FLASH POINT

N/A

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

Section 6 - Accidental Release Measures

Section 7 - Handling and Storage STORAGE Store at -20°C Section 8 - Exposure Controls / PPE Section 9 - Physical/Chemical Properties Molecular Weight 470.7 AMU

рΗ N/ABP/BP Range N/A MP/MP Range N/AFreezing Point N/AVapor Pressure N/AVapor Density N/ASaturated Vapor Conc. N/A Bulk Density N/AOdor Threshold N/AVolatile% N/AVOC Content N/AWater Content N/ASolvent Content N/AEvaporation Rate N/AViscosity N/A Surface Tension N/APartition Coefficient N/A Decomposition Temp. N/A Flash Point N/AExplosion Limits N/AFlammability N/AAutoignition Temp N/ARefractive Index N/AOptical Rotation N/AMiscellaneous Data N/ASolubility N/A

N/A = not available

Section 10 - Stability and Reactivity

Section 11 - Toxicological Information

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Section 14 - Transport Information

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No NDSL: No

Section 16 - Other Information

DISCLAIMER

For R&D use only. Not for drug, household or other uses.

WARRANTY

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 regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2010 Sigma-Aldrich Co. License granted to make unlimitedpaper copies for internal use only.