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Date of last revision:

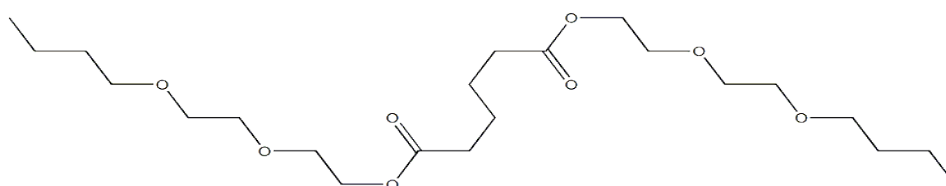
Seite/Page 1/2
13/04/2021

High Molecular Weight Adipic Ester

BC BDA – bis(2-(2-butoxyethoxy)ethyl) adipate

Chemical Data

Common name: Dibutylglycol adipate
Chemical name: 1,6-bis[2-(2-butoxyethoxy)ethyl] hexanedioate
Chemical formula: $C_{22}H_{42}O_8$
Structural formula:



CAS No.: 141-17-3
EC No.: 205-465-5

<u>Parameter</u>	<u>Specification</u>	<u>Typical properties</u>
Appearance:	Clear yellow, brownish liquid	Clear yellow liquid
Viscosity (25 °C) in mPa·s:	16.0-26.0	18.0
Volatility (2 h, 100 °C) in %:	≤3.0	1.6-2.5
Acid number in mg _{KOH} /g:	≤10.0	6.5-9.0
Saponification value in mg _{KOH} /g:	250.0-270.0	260.0-265.0
Density in g/cm ³ :	1.015-1.027	1.016
Flash point in °C:	>170	>170
Gardner color scale:	≤7.0	3.0

Packaging and Storage

Packaging: 25 kg cans, 200 kg drums 1,000 l IBCs or bulk
Shelf life: 24 months from the date of manufacture
Storage and transportation: It should be stored in the tightly closed original packaging in a dry place.

Application

BC BDA is an adipic ester to enhance the cold flexibility of elastomers. BC BDA is used as a plasticiser in rubber compounds, especially suitable for formulations in the low temperature range based on HNBR, AEM, NBR/PVC, CR, CM, CSM, Epichlorohydrin and Polyacryl.

BC BDA is also a good plasticiser for PVAc, PVC, PVB and some cellulosic. BC BDA can be used as a plasticiser in food contact rubber articles for repeated use.

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Seite/Page 2/2
13/04/2021

developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.