N,N'-Bis(3-aminopropyl)ethylenediamine

N,N'-Bis(3-aminopropyl)ethylenediamine, content 99 % min · RS-BAPEDA_99 · CAS 10563-26-5 · Technical Data Sheet · RawSource · rawsource.com/product/n-n-bis-3-aminopropyl-ethylenediamine/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
10563-26-5	RS-BAPEDA_99	Aliphatic polyamine · epoxy curing agent

N,N'-Bis(3-aminopropyl)ethylenediamine is a colorless to yellowish clear liquid used as an epoxy resin curing agent and as a crosslinker in epoxy systems. It is used in solvent-borne, high-solids and water-borne coatings and as an additive in construction chemicals. It is also an intermediate for the synthesis of hindered amine light stabilizers. This grade has a minimum content of 99 % and a maximum Pt-Co color of 20.

DISTRIBUTED BY
RawSource Inc.
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Product page: rawsource.com/product/n-n-bis-3-aminopropyl-ethylenediamine/
Request a quote: solutions@rawsource.com · 305-307-6515
Quote by RS code: RS-BAPEDA_99

GENERAL INFORMATION

Chemical name	N,N'-Bis(3-aminopropyl)ethylenediamine
Molecular formula	$C_8H_{22}N_4$

TYPICAL PROPERTIES

Melting Point	-5 °C, at the pressure of 101,325 Pa

Typical values are representative of the product and are not specifications.

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Colorless to yellowish clear liquid	Conform
Content	99 % min	99.28 %
Color, Pt-Co	20 max	6.13
Moisture	0.50 % max	0.16 %
Amine Value	1,200 mg KOH/g min	1,261 mg KOH/g

Each lot is released against this specification. Lot-specific results are reported on the Certificate of Analysis that ships with every delivery.

APPLICATIONS

- Epoxy resin curing agent
- Crosslinker in epoxy systems
- Solvent-borne and high-solids coatings
- Water-borne coatings
- Additive in construction chemicals
- Intermediate for the synthesis of hindered amine light stabilizers

Applications are those stated for the product. Confirm suitability for each formulation by trials.

HANDLING REQUIREMENTS

- Storage under air at ambient temperature is possible for extended periods.
- A nitrogen blanket is suggested for all storage, to reduce the effect of accidental exposure to high temperatures and the absorption of atmospheric moisture and carbon dioxide.
- Discoloration can occur at temperatures above 60 °C.

PACKAGING AND SHELF LIFE

- 190 kg steel drums
- 900 kg IBC
- Bulk
- Shelf life: 12 months from the production date.

The information in this Technical Data Sheet is provided for technical evaluation and is believed to be accurate as of the issue date. Typical values are representative and do not constitute a warranty. Binding specifications are those stated on the lot-specific Certificate of Analysis and in the sales contract. Users should verify suitability for their own process and regulatory requirements. Refer to the Safety Data Sheet before handling. Questions: solutions@rawsource.com.