N-(2-Aminoethyl)-1,3-propanediamine

N-(2-Aminoethyl)-1,3-propanediamine · RS-AEPDA · CAS 13531-52-7 · Technical Data Sheet · RawSource · rawsource.com/product/n-2-aminoethyl-1-3-propanediamine/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
13531-52-7	RS-AEPDA	Aliphatic polyamine · epoxy curing agent

N-(2-Aminoethyl)-1,3-propanediamine is a hardener supplied as a low-viscosity, colorless to light yellow transparent liquid at room temperature. It is an aliphatic amine that is weakly alkaline, with good water solubility and solvent solubility.

DISTRIBUTED BY
RawSource Inc.
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Product page: rawsource.com/product/n-2-aminoethyl-1-3-propanediamine/
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GENERAL INFORMATION

Chemical name	N-(2-Aminoethyl)-1,3-propanediamine
Molecular formula	$C_5H_{15}N_3$

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Colorless to yellowish clear liquid	Conform
Content	97 % min	97.25 %
Color, APHA	20 max	10
Moisture	0.50 % max	0.35 %
Amine Value	1,300 mg KOH/g min	1,385 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.

KEY FEATURES

- Low viscosity

APPLICATIONS

- Epoxy resin curing agent
- Polyamide synthesis
- Metal chelating agent
- Paper industry auxiliaries
- Water treatment agents

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

HANDLING REQUIREMENTS

- May be stored under air at ambient temperatures for extended periods.
- A nitrogen blanket is suggested for all storage, to reduce the effect of accidental exposure to high temperatures and to reduce the absorption of atmospheric moisture and carbon dioxide.
- Discoloration can occur at temperatures in excess of 35 °C.

PACKAGING AND SHELF LIFE

- 190 kg steel drums
- 900 kg IBC
- bulk
- Shelf life: 12 months from 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.