N-(3-Aminopropyl)cyclohexylamine

N-(3-Aminopropyl)cyclohexylamine · RS-CHPDA · CAS 3312-60-5 · Technical Data Sheet · RawSource · rawsource.com/product/n-3-aminopropyl-cyclohexylamine/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
3312-60-5	RS-CHPDA	Cycloaliphatic diamine · epoxy curing agent

N-(3-Aminopropyl)cyclohexylamine is a hardener supplied as a colorless to yellowish clear liquid. It is used as an epoxy resin curing agent for ambient curing of liquid epoxy resin and as a crosslinker in epoxy systems. It is also an intermediate for the synthesis of specialty amines and fine chemicals.

DISTRIBUTED BY
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Product page: rawsource.com/product/n-3-aminopropyl-cyclohexylamine/
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GENERAL INFORMATION

Chemical name	N-(3-Aminopropyl)cyclohexylamine
Molecular formula	$C_9H_{20}N_2$

TYPICAL PROPERTIES

Melting Point	-17 ~ -19 °C	AHEW	52

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

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Colorless to yellowish clear liquid	Conform
Content	97 % min	98.51 %
Color, APHA	30 max	2.86
Moisture	0.50 % max	0.18 %
Amine Value	650 mg KOH/g min	713 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 for ambient curing of liquid epoxy resin
- Crosslinker in epoxy systems
- Intermediate for specialty amines and fine chemicals
- Structural adhesives
- Heavy-duty anti-corrosion coatings
- Composites, prepreg, casting and encapsulation

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 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 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.