1,4-Cyclohexanebis(methylamine)

1,4-Cyclohexanebis(methylamine) · RS-14BAMC · CAS 2549-93-1 · Technical Data Sheet · RawSource · rawsource.com/product/1-4-cyclohexanebis-methylamine/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
2549-93-1	RS-14BAMC	Cycloaliphatic diamine · epoxy curing agent

1,4-Bis(aminomethyl)cyclohexane is an alicyclic diamine monomer supplied as a colorless clear liquid. It is used in epoxy resin curing agents, polyamides, isocyanates, polyurethane intermediates, and anti-corrosion and rust inhibitors. Its molecular structure contains a six-membered ring, which gives it a certain degree of rigidity, and it has two active amino groups that can react with other compounds. Its characteristics are high strength, high hardness, high temperature resistance and strong adsorption.

DISTRIBUTED BY
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GENERAL INFORMATION

Chemical name	1,4-Bis(aminomethyl)cyclohexane
Molecular weight	142.24
Molecular formula	$C_8H_{18}N_2$

TYPICAL PROPERTIES

Boiling Point	240 – 245 °C	Flash Point	107 °C - closed cup
Melting Point	-9 °C	AHEW	35.5

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

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Colorless Clear Liquid	Conform
Color (APHA)	20 max	5
Purity (wt %)	99.0 min	99.78
Moisture (wt %)	0.5 max	0.03

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

KEY FEATURES

- High strength
- High hardness
- High temperature resistance
- Strong adsorption
- Two active amino groups
- Six-membered ring structure

APPLICATIONS

- Epoxy resin curing agents
- Polyamides
- Isocyanates
- Polyurethane intermediates
- Anti-corrosion and rust inhibitors
- Polyurethane elastomers
- New energy vehicle composites
- Metal cutting fluids

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
- 950 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.