4,4'-Methylenebis(2-methylcyclohexylamine) (MMCA)

4,4'-Methylenebis(2-methylcyclohexylamine) (MMCA), assay 99.0 % min · RS-MACM · CAS 6864-37-5 · Technical Data Sheet · RawSource · rawsource.com/product/dimethyldicyane/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
6864-37-5	RS-MACM	Cycloaliphatic diamine · epoxy curing agent

4,4'-Methylenebis(2-methylcyclohexylamine) is widely used as an epoxy curing agent and as a chain extender for polyurethane and polyurea spray elastomer. It can also be used in the synthesis of polyamide, polyimide, isocyanate and polyaspartic acid ester. It is supplied as a colorless transparent sticky liquid.

DISTRIBUTED BY
RawSource Inc.
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Product page: rawsource.com/product/dimethyldicyane/
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GENERAL INFORMATION

Chemical name	4,4'-Methylenebis(2-methylcyclohexylamine)
Molecular formula	$C_{15}H_{30}N_2$

TYPICAL PROPERTIES

Boiling Point	347 °C	Melting Point	-7 to -1 °C
Flash Point	173 °C	Relative Density	0.945
AHEW	60		

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

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION
Assay	99.0 % min
Appearance	Colorless transparent sticky liquid
Color (Pt-Co)	30 max
Amine Value (mg KOH/g)	450 – 500
Moisture (%)	0.2 max

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

APPLICATIONS

- Epoxy curing agent
- Chain extender for polyurethane and polyurea spray elastomer
- Synthesis of polyamide, polyimide, isocyanate and polyaspartic acid ester

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.