Diaminodiphenylmethane (MDA, 4,4'-Methylenedianiline)

Diaminodiphenylmethane (MDA, 4,4'-Methylenedianiline), 4,4'-isomer 99.0 % min · RS-MDA_99 · CAS 101-77-9 · Technical Data Sheet · RawSource · rawsource.com/product/diaminodiphenylmethane-mda/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
101-77-9	RS-MDA_99	Aromatic diamine · epoxy curing agent and monomer

4,4'-Methylenedianiline (MDA) is a hardener and monomer supplied as white to light yellowish flakes. It is used as a hardener for epoxy resin systems. It is an intermediate for methylenediphenyl diisocyanate, bismaleimide resin and the chain extender 4,4'-methylenebis(N-sec-butylaniline). The 4,4'-MDA content is 99.0 % min and the 2,4'-MDA content is 1.0 % max.

DISTRIBUTED BY
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GENERAL INFORMATION

Chemical name	4,4'-Methylenedianiline
Molecular formula	$C_{13}H_{14}N_2$

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	White to light yellowish flakes	Conform
Melting Point	90.0 °C min	93 °C
4,4'-MDA	99.0 % min	99.44 %
2,4'-MDA	1.0 % max	0.22 %

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

APPLICATIONS

- Hardener and curing agent for epoxy resin systems
- Intermediate for methylenediphenyl diisocyanate
- Intermediate for bismaleimide resin
- Intermediate for the chain extender 4,4'-methylenebis(N-sec-butylaniline)

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

HANDLING REQUIREMENTS

- Store in a dry, clean, well-ventilated place.
- Avoid direct sunlight and high temperature to prevent oxidation.

PACKAGING AND SHELF LIFE

- 25 kg bags
- 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.