Methylcyclohexanediamine (MCDA)

Methylcyclohexanediamine (MCDA) · RS-MCDA · CAS 13897-55-7 · Technical Data Sheet · RawSource · rawsource.com/product/methylcyclohexanediamine/

CAS NO.	COMPOSITION	PRODUCT CODE	PRODUCT TYPE
13897-55-7 / 13897-56-8	Isomer mixture	RS-MCDA	Cycloaliphatic diamine · epoxy curing agent

Methylcyclohexanediamine is a low viscosity curing agent primarily for epoxy systems, supplied as a colorless transparent liquid. Its moderate cure rate gives a long pot life. Its high vapor pressure allows use in warm curing situations. It is also used as an amine chain extender for polyurethane and sprayed polyurea elastomers.

DISTRIBUTED BY
RawSource Inc.
515 E Las Olas Blvd, Suite 1301, Fort Lauderdale, FL 33301
305-307-6515 · solutions@rawsource.com · rawsource.com
Product page: rawsource.com/product/methylcyclohexanediamine/
Request a quote: solutions@rawsource.com · 305-307-6515
Quote by RS code: RS-MCDA

GENERAL INFORMATION

Chemical name	Methylcyclohexanediamine
Molecular formula	$C_7H_{16}N_2$
Molecular weight	128.215

TYPICAL PROPERTIES

Boiling Point	213 °C	Relative Density	0.94
AHEW	32		

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

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Purity	99.5 % min	99.94 %
Appearance	Colorless transparent liquid	Conform
Color (APHA)	30 max	3.62
Viscosity at 25 °C	5 – 15 mPa·s	9
Moisture	0.20 % max	0.05 %
Amine Value (mg KOH/g)	850 – 900	870

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
- Long pot life from a moderate cure rate
- High vapor pressure, can be used in warm curing situations

APPLICATIONS

- Marine coating
- Protective coating
- Hardener for composite materials including wind blade, wind mold material and rubber roller
- Amine chain extender for polyurethane and sprayed polyurea elastomers
- Synthesis of highly transparent nylon, polyimide and polyaspartic resin

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

HANDLING REQUIREMENTS

- Do not store near acids.
- Keep containers tightly closed in a dry, cool and well-ventilated place.
- Keep away from heat and sources of ignition.
- Ground all metal parts of the equipment against static electricity discharge.
- Keep away from oxidizers.

PACKAGING AND SHELF LIFE

- 180 kg drums
- 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.