Methylhexahydrophthalic anhydride

Methylhexahydrophthalic anhydride · RS-MHHPA · CAS 25550-51-0 · Technical Data Sheet · RawSource · rawsource.com/product/methylhexahydrophthalic-anhydride-mhhpa/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
25550-51-0	RS-MHHPA	Cyclic anhydride · epoxy curing agent

Methylhexahydrophthalic anhydride is a heat-curing anhydride curing agent for epoxy resins. It is used in the electrical and electronics industries and in epoxy composites and adhesives.

DISTRIBUTED BY
RawSource Inc.
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Product page: rawsource.com/product/methylhexahydrophthalic-anhydride-mhhpa/
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GENERAL INFORMATION

Chemical name	Methylhexahydrophthalic anhydride
Molecular formula	$C_9H_{12}O_3$
Molecular weight	168.19 g/mol

TYPICAL PROPERTIES

Crystallizing point	-15 °C max

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

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Colorless transparent liquid	Conform
Color, Pt-Co	20 max	10
Viscosity, 25 °C	50 – 80 mPa·s	50.5
Free Acid	1.0 % max	0.33

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 melting point
- Long pot life
- High heat resistance
- Good electrical properties at high temperature
- Low internal stress, high bond strength, stable color and aging resistance in cured adhesives

APPLICATIONS

- Epoxy resin curing agent
- Impregnation of electrical equipment coils, casting of electrical components and sealing of semiconductors, in uses such as light-emitting diodes, ignition circuits, special-purpose capacitors, transformers and motors
- Epoxy composites with fiber-reinforced materials in lamination, centrifugal casting and pultrusion
- Pressure gas cylinders, pressure piping, fishing rods and golf clubs
- Cycloaliphatic epoxy adhesives for bonding large-area optical components

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

HANDLING REQUIREMENTS

- Store away from light.
- Keep airtight.
- Keep away from moisture and fire.

PACKAGING AND SHELF LIFE

- 220 kg drums
- 1,200 kg IBC
- 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.