Methyltetrahydrophthalic anhydride

Methyltetrahydrophthalic anhydride · RS-MTHPA · CAS 11070-44-3 · Technical Data Sheet · RawSource · rawsource.com/product/methyltetrahydrophthalic-anhydride-mthpa/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
11070-44-3	RS-MTHPA	Cyclic anhydride · epoxy curing agent

Methyltetrahydrophthalic anhydride is a curing agent for epoxy resins. Epoxy resins cured with it show heat and chemical resistance and good thermal stability. Its low viscosity makes handling and mixing with epoxy resins easier.

DISTRIBUTED BY
RawSource Inc.
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GENERAL INFORMATION

Chemical name	Methyltetrahydrophthalic anhydride
Molecular formula	$C_9H_{10}O_3$
Molecular weight	166.17 g/mol

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Colorless transparent liquid	Conform
Color, Pt-Co	50 max	40
Acid Value	660 – 685 mg KOH/g	663.5
Freezing point	-15 °C max	
Anhydride group Content	41 % min	41.77
Free Acid	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

- Heat and chemical resistance of the cured epoxy resin
- Low viscosity for easier handling and mixing with epoxy resins
- Good thermal stability in cured epoxy applications
- Desirable electrical properties in cured epoxy resin components

APPLICATIONS

- Epoxy resin curing agent
- Electronic components
- Filling compound for LED digital tubes
- FRP composite wind power blades
- Automotive parts
- Dry transformers
- High-voltage switches
- High-voltage capacitors
- Transformers
- Appliance capacitors
- Impregnation of power capacitors

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

- 240 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.