

CURING AGENT-MTHPA



Introduction

Methyl Tetrahydrophthalic Anhydride (MTHPA) is a versatile liquid anhydride hardener. The product remains liquid in cold environments (typical pour point -20 Deg C to -15 Deg C). It provides unique characteristics to epoxy cured materials such as high voltage and temperature resistance. MTHPA can be easily blended with various liquid resins providing stable, low viscous mixture.

Applications

- 1 Methyl tetra-Hydro Phthalic Anhydride (MTHPA) has been used in the curing agents for epoxy resins, solvent-free paints, laminated boards, epoxy adhesives and so on.
- 2 It is widely used for casting/Potting, impregnation and lamination.
- 3 In the field of reinforced plastics it is used for filament wound products (pipes for oil, poles and sport goods), laminated sheets, printed circuit boards, switch gears.

Benefits

- 1 MTHPA is specially formulated to remain liquid during winter season.
- 2 It has high temperature and high corrosion resistance.
- 3 It provide long pot lives.
- 4 Low toxicity.
- 5 Low solidifying point.



Specifications

Test	Specification	Test Method
Appearance	Form: Liquid Colour: Clear, colourless to light yellow	Visual
Moisture content	< 1.0 %	Oven drying at 105 Deg C
Freezing point	<-15 Deg C	Freeze Point Apparatus
Free Acid Content	< 1.0 %	Acidimetric Titration
Viscosity at 25 Deg C	30 - 70 cP	By Viscometer

Product FDA Status

MTHPA is not approved for food contact usage by US FDA.



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