



# **Technical Data Sheet**

## **Methyltetrahydrophthalic Anhydride (MTHPA)**

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### **INTRODUCTION**

Synonyms: Methyltetrahydrophthalic anhydride; Methyl-4-cyclohexene-1,2-dicarboxylic anhydride; MTHPA    cyclic, carboxylic, anhydrides

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### **PRODUCT SPECIFICATION**

Appearance            light yellow liquid

Anhydride Content     $\geq 41.0\%$

Volatile Content        $\leq 1.0\%$

Free Acid               $\leq 1.0\%$

Freezing Point         $\leq -15^\circ\text{C}$

Viscosity(25°C)      30-70 mPa·S

Structure Formula:  $\text{C}_9\text{H}_{10}\text{O}_3$

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### **PHYSICAL AND CHEMICAL CHARACTERISTICS**

Physical State(25°C):    Liquid

Appearance:            light yellow liquid

Molecular Weight:        166.17

Specific Gravity(25/4°C):  $1.2 \pm 0.005$

Water Solubility:        decomposes

Solvent Solubility:      Slightly Soluble: petroleum ether Miscible:  
benzene, toluene, acetone, carbon tetrachloride,  
chloroform, ethanol, ethyl acetate

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### **APPLICATIONS**

Epoxy resin curing agents, solvent free paints, laminated boards, epoxy adhesives, etc

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**PACKING**

Packed in 25 kg plastic drums or 220kg iron drums or isotank

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**STORAGE**

Store in cool, dry places and keep away from fire and moisture.