

## Product Technical Information

### MTHPA-EG/9K

**H**<sub>HEALTH</sub>     **2**  
**F**<sub>FLAMMABILITY</sub>     **1**  
**R**<sub>REACTIVITY</sub>     **0**

**Chemical Name:** Pre- Catalyzed Methyl Tetrahydrophthalic Anhydride  
**Chemical Formula:** Catalyst + C<sub>9</sub>H<sub>10</sub>O<sub>3</sub>  
**Molecular Weight:** 166.18  
**CAS:** 11070-44-3 (MTHPA)/Proprietary (Catalyst)

#### Typical Properties

Appearance	Yellow liquid
Color (Gardner)	<1-2
Anhydride	99.0% Min.
Free Acid	1.0% Max.
Viscosity @25°C	50-80 cP

#### Features

Methyl Tetrahydrophthalic Anhydride (MTHPA-EG) is a versatile low cost liquid anhydride hardener. MTHPA-EG/9K is one of several pre catalyzed versions of MTHPA-EG. It contains a proprietary catalyst that reduces cure time and boosts glass transition temperature (T<sub>g</sub>). With proper cure cycles a T<sub>g</sub> of 140°C can be achieved. This product is specially formulated to remain liquid during the winter season (typical pour point: -20 to -15°C). It provides unique characteristics to epoxy cured materials such as high voltage and temperature resistance

#### Industries

Curing agent for epoxy resins used in electronics, composite materials, construction and sport equipment industries.



Gulf Bayport Chemicals L.P.

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### Specific Applications

Filament winding, adhesive, potting, casting, encapsulation and vacuum impregnation.

### Typical Information

Epoxy: bisphenol-A-type, epoxy equivalent 190

Mix composition: epoxy equivalent / anhydride equivalent = 1  
epoxy: 100phr  
Anhydride: 87 phr

Cure Temperature: 100°C → ca. 17 minutes gel time

### Packaging

Drums: 55 gallon metal drum (485 lbs. net)  
Bulk: ISO container, tank truck

### Shelf Life

Product should be stored in a dry cool area. Containers should remain tightly sealed to avoid moisture absorption, and product hydrolysis. Under these conditions, the product shelf life is 12 months.

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