

Product Technical Information

MTHPA-EG/6K

H_{HEALTH} **2**
F_{FLAMMABILITY} **1**
R_{REACTIVITY} **0**

Chemical Name: Pre- Catalyzed Methyl Tetrahydrophthalic Anhydride
Chemical Formula: Catalyst + C₉H₁₀O₃
Molecular Weight: 166.18
CAS: 11070-44-3 (MTHPA)/56-37-1 (BTEAC)

Typical Properties

Appearance	Yellow to brown liquid
Color (Gardner)	<10
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/6K is one of several pre catalyzed versions of MTHPA-EG. It contains 1-2% BTEAC (N-Benzyl-N,N,N-Triethylammonium Chloride). 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.

The information contained herein is believed to be correct and corresponds to the latest state of scientific knowledge. However, no warranty is made, either express or implied, regarding its accuracy or the results to be obtained from such information. No statement is intended or should be construed as a recommendation to infringe any existing patent.



Gulf Bayport Chemicals L.P.

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Specific Applications

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

Typical Formulation

Epoxy: bisphenol-A type, epoxy equivalent 190

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

Cure Temperature: 100°C → ca. 25 minutes gel time

Packaging

Drums: 55 gallon metal drum (485 lbs. net)

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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