

Product Technical Information

MTHPA-EG

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

Chemical Name: **Methyl Tetrahydrophthalic Anhydride**
Chemical Formula: **C₉H₁₀O₃**
Molecular Weight: **166.18**
CAS: **11070-44-3**

Typical Properties

Appearance	Clear, colorless to light yellow liquid
Color (APHA)	150 max
Refractive Index, N _d ²⁰	1.4959-1.4967
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. 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

Adhesive potting, casting, encapsulation, filament winding, pultrusion and vacuum impregnation.

Typical Formulation

Epoxy: bis-A type, epoxy equivalent 190

Cure Temperature: 120°C

Mix Composition: epoxy equivalent / anhydride=1
epoxy: 100phr
MTHPA-EG: 87phr
accelerator: 1phr

Gel Time (minutes) in a Gardco Stabletemp GT-STHP-110

	BDMA	MI	BTEAC	AC-PI
MTHPA-EG	16	13	19	14

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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