

Product Technical Information

MTHPA-EG/8K

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)/ 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/8K 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_g). With proper cure cycles a T_g 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. 20 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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