

**Advanced Materials****Quatrex<sup>®</sup> 1010**

A MEDIUM VISCOSITY, UNMODIFIED LIQUID EPOXY RESIN

<b>GENERAL</b>	Quatrex <sup>®</sup> 1010 is a high purity unmodified liquid epoxy resin applied widely in both room temperature and heat cured systems. It has very low hydrolyzable chloride.	
<b>CHEMICAL DESCRIPTION</b>	Quatrex <sup>®</sup> 1010 is an unmodified liquid epoxy resin based on bisphenol A and epichlorohydrin.	
<b>APPLICATIONS</b>	Coatings Electrical	Matrix Adhesives
<b>ADVANTAGES</b>	Superior mechanical and electrical properties Excellent chemical resistance Good heat resistance Excellent adhesion Outstanding versatility Easy to cure with a variety of different type hardeners Compatible with many different fillers, diluents and accelerators	
<b>TYPICAL PROPERTIES*</b>	Visual Appearance	Clear, no contamination
	APHA Color	0 - 125
	Hydrolyzable Chloride, ppm	0 - 200
	Epoxy Value, eq./kg	5.2 - 5.5
	Epoxy Equivalent, g/eq.	182 - 192
	Viscosity @ 25°C (77°F), mPa s (cPs)	11,000 - 14,000
	Density @ 25°C (77°F), g/cm <sup>3</sup> (lb/gal.)	1.15 - 1.18 (9.6 - 9.8)
	Flash Point, Closed Cup, °C (°F)	254 (490)

\* Typical properties are based on Huntsman's test methods. Copies are available upon request.

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**PACKAGING & STORAGE**      Quatrex<sup>®</sup> 1010 is supplied in 500 pound steel drums. This material should be stored at room temperature away from excessive heat and humidity in the original sealed container (actual expiration date appears on the label). Like most liquid epoxy resins, Quatrex<sup>®</sup> 1010 may crystallize when stored below room temperature. Heating the resin to 60-70°C (140-160°F), preferably in a water bath, for several hours, will reliquify it and restore its original properties.

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**HANDLING/SAFETY  
PRECAUTIONS**

**Warning : Causes irritation.  
May cause allergic skin reaction.**

Avoid contact with eyes, skin or clothing.  
Avoid breathing vapor, mist or spray.  
Use with adequate ventilation.  
Promptly remove wet, contaminated clothing and wash before reuse.  
Wash after handling.  
Store in a cool, dry area in closed containers.

**Read Material Safety Data Sheet Before Using.  
For Industrial Use Only.**

**FIRST AID**

**In case of contact :**

**Eyes :** Immediately flush with water for at least 15 minutes. Call a physician.

**Skin :** Remove to fresh air. Give oxygen if breathing is difficult.

**Ingestion :** If conscious, give plenty of water. Get medical attention.

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