

## Product Information Sheet

### CP-1000

#### RESIN EPOXY

Application Temperature(s):	N/A
Color:	Light Honey
Freeze Thaw Stable:	N/A
Min Use Temperature:	N/A
Shelf Life:	12 months
Solids (~):	N/A
Specific Gravity (~):	1.15-1.18
Viscosity @25°C (77°F), mPa s (cPs):	11,000-13,000



#### Characteristics:

A Medium Viscosity, Unmodified Liquid Epoxy Resin

This is a general purpose unmodified liquid epoxy resin applied widely in both room temperature and heat cured systems. It is the standard from which a great number of variations were developed. It is an unmodified liquid epoxy resin based on bisphenol A and epichlorohydrin.

Advantages: 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, conforms to FDA listings in 21 CFR 175.300.

FDA Status: CP-1000 is included in Section 175.300 of Title 21 of the Code of Federal Regulations (21 CFR 175.300) for resinous and polymeric coatings.

#### Applications:

Coatings      Matrix  
Electrical    Adhesives  
Civil Engineering

#### Directions:

Visual Appearance:            Clear, no contamination  
Epoxy Value, eq/kg:            5.2-5.5  
Epoxy Equivalent, g/eq.:        182-192  
Flash Point, Closed Cup, °C(°F): 254(490)

CP-1000 is used with hardener CP-2025. The hardener may be mixed in at rates of 35-100 parts of hardener to 100 parts of CP-1000 epoxy. Kits are supplied to accommodate up to a full 1:1 ratio. While the 35:100 part ratio provides the longest pot life (6.5 hours at 77°F), mixing at 1:1 (100 parts to 100 parts) will provide the fastest final cure time (24 hours).

#### Handling/Safety Precautions:

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



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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:** Promptly wash thoroughly with mild soap and water.

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

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

**Clean Up and Storage:**

Prior to cure, clean up with mineral spirits or Limonene.

This material should be stored at room temperature in the original sealed container. Like most liquid epoxy resins, CP-1000 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.