

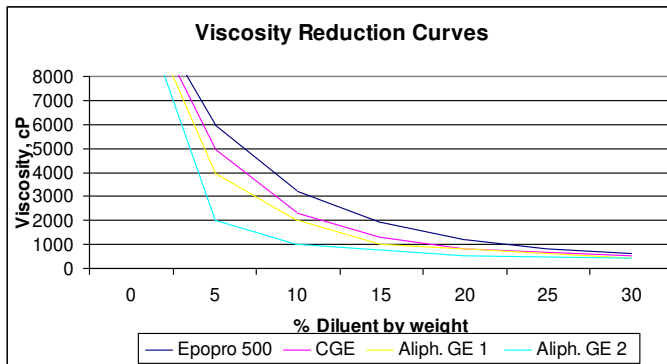
## EpoPro® 500

### Di-Epoxy Reactive Diluent

<b>Typical Properties</b>		(Not for specification purposes. All tests run at 25°C unless otherwise noted)
<b>EpoPro® 500 Properties:</b>		
Appearance	Visual	Clear liquid, no contaminations
Color	Gardner	Max. 1
Epoxy Value		7.4 – 8.3 eq./kg
Epoxy Equivalent		120 – 135 g/eq.
Specific Gravity	ASTM-D-1475	1.09 g/cc
Viscosity	ASTM-D-2393	13 - 18 cP
Flash Point	Closed Cup	138°C

#### Formulations:

EpoPro® 500 is a solvent-free reactive diluent based on 1,4-butanediol-diglycidylether, technical grade. EpoPro® 500 can be blended easily with liquid epoxy resins at room temperature. Upon addition of the diluent, a marked reduction in viscosity occurs, however with no appreciable effect on pot-life of the respective mixture. The graph below shows the effect on viscosity of different reactive diluents in combination with a standard Bis-A-DGE epoxy.



EpoPro® 500 modified resins are generally recommended for use with amine type hardeners (typical curing and final properties depend on the chosen curative).

#### Suggested Applications:

- Castings
- Coatings
- Electrical
- Laminating
- Tooling

#### Benefits:

- Solvent-free, reactive diluent with excellent viscosity reduction properties
- Low vapor pressure
- No/low appreciable effect on pot-life

#### Storage Guidelines:

Store this material in a clean, dry environment in its tightly closed original container. These products are not considered especially temperature sensitive, but should be stored between 18 - 30°C (64 - 86°F) to maintain optimum quality. Under these conditions the products will have a minimum shelf-life of 12 months from the date of shipment.

#### Processing Guidelines:

Because of its low viscosity and its excellent compatibility to epoxy resins, EpoPro® 500 can be added to these resins at room temperature either manually or using mechanical agitation. Whatever method is chosen, be sure to accurately weigh both the resin and the diluent prior to mixing and to ensure the targeted mix ratio is used.

#### Handling Precautions:

Mandatory and recommended industrial hygiene procedures should be followed whenever these products are being handled and processed. For additional information please consult the corresponding material safety data sheets.

#### Personal Hygiene:

##### EpoPro® 500

**WARNING!!!** Causes severe eye irritation. Cause skin irritation and possible allergic skin reaction. Harmful if inhaled or swallowed. Avoid contact with eyes, skin, and clothing. Wear impervious clothes and eye protection when handling. Avoid breathing vapor or mist. Keep containers closed when not in use. Use only with adequate ventilation. Wash thoroughly after handling. Launder contaminated clothing prior to reuse.

#### First Aid

In case of contact:

**Skin** - Wash skin thoroughly with mild soap and water. Remove contaminated clothing and wash before reuse. Discard contaminated shoes and other articles made of leather

**Eyes** - Flush eyes with plenty of water for 15 minutes and get prompt medical attention.

**Inhalation** - Remove person to fresh air

**Ingestion** - If conscious, dilute with plenty of water, induce vomiting and contact physician immediately. Never give anything by mouth to an unconscious person

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**Specialty Polymers & Services, Inc. (SP&S)**  
**27822 Fremont Court**  
**Valencia, CA 91355**

**Tel - 661-294-1790**

**info@spolymers.com**

**Fax - 661-294-0640**

**www.spolymers.com**