



**AMBIENT CURE SOLVENT-FREE ALIPHATIC HARDENER FOR CLEAR CASTING**

**DESCRIPTION :-**

EPOXILITE CLEAR CAST 1 : 1 is low color, low viscosity modified Aliphatic polyamine hardener suitable to cure epoxy resin at ambient temperature. The cured mass gives high gloss and excellent surface finish suitable for clear coating applications. Excellent low color of the hardener makes it materials of choice for casting applications.

**Advantages :-**

- Low viscosity
- Slow setting
- High gloss
- Blushing free.
- Bubbles free casting.

**Applications :-**

- Clear casting.
- Transparent coatings.
- Table Top coating and Casting.

**Specification Data : Hardener CLEAR CAST (1:1)**

Properties	Unit	Typical Value
Appearance	Visual	Water White to Light Yellow
Color	Gardener	1 max.
Mixing Ratio (EEW = 190)	By weight	100
	By Volume	100
Viscosity @25 <sup>o</sup> C	cPs	120-250
Pot Life @ 20 <sup>o</sup> C	Min	50 - 60

## Typical Prosperities :- Hardener CLEAR CAST (1:1)

Properties	Unit	Typical Value
Odour	--	Amine
Density	g/cc	1.08
Amine Value	KOH/g	220 - 265
Flash Point	C <sup>o</sup>	95
Thin film set time	hr	3-4

Typical properties are indicated for information only

### Additional information Chemical resistance with of epoxy resins

Water	Very Good
Ammonia	Very Good
Cutting Oil	Very Good
Gasoline (Unleaded)	Very Good
Hydrochloric	Very Good
Kerosene	Very Good
Methanol	Very Good
Methyl Ethyl Ketone	Very Good
5% Lactic acid	Very Good

Methylene Chloride	Fair
Phosphoric (10%)	Very Good
Sodium Chloride Brine	Very Good
Sodium Hydroxide	Very Good
Sulfuric (20%)	Very Good
50% Sodium hydroxide	Good
Trisodium Phosphate	Very Good
Xylene	Fair
10% Acetic acid	Fair

**Packing :-** EPOXILITE CLEAR CAST (1:1) is packed and delivered in plastic drums, One kg,30 kg per drum as a standard pack. Other pack sizes are available on request.

**Storage :-** EPOXILITE CLEAR CAST (1:1) should be stored in original tightly closed container, in dry and cool conditions. When exposed to air the product EPOXILITE Clear Cast (1:1) may absorb moisture which may result in viscosity increase, frothing and white carbonation product deposition. In such case it may affect the appearance of final coating/table topping. When stored in tightly closed container this product has a storage life of at least one year from the date of manufacturing.

**Handling :-** Do not mix with epoxy resin until just prior to use since reacts chemically at room temperature. Avoid contact with skin, eyes etc. Please refer to the MSDS of the product for more instructions on safe storage and handling of EPOXILITE Clear Cast (1:1).

#### Disclaimer

All recommendations for use of our products whether given by us in writing, verbally or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although, the information contained in this sheet is accurate, no liability can be accepted in respect of such information. We warrant only that our product will meet the designated specifications and make no other warranty either express or implied, including any warranty of merchantability or fitness for a particular purpose as the conditions of application are beyond our control.

For Additional Information, Please Contact:

**ADOLAC CHEM INDIA**

101/6 'X' ROAD, SWAMIJI NAGAR, HOWRAH – 711108

E-mail :- [adolacchemindia@gmail.com](mailto:adolacchemindia@gmail.com) / [info.epoxiliteindia@gmail.com](mailto:info.epoxiliteindia@gmail.com)