



# SYNPOL PRODUCTS PRIVATE LTD.

Regd Office & Factory: 77, G.V.M.S. AUDYOGIC VASAHAT LTD.,  
ODHAV, AHMEDABAD – 382 415, INDIA

PRODUCT CODE : Hardener / 04.25

## Hardener 100

TYPE : Aliphatic amine adduct.

DESCRIPTION : High viscosity, high reactivity epoxy hardener.

### SPECIFICATIONS :

1) Appearance	Reddish yellow clear viscous liquid.
2) Density @ 25 <sup>0</sup> C.	1.10 - 1.12
3) Viscosity @ 25 <sup>0</sup> C., poises	100 – 140
4) Amine value, mg. KOH / gm. by HClO <sub>4</sub> method	375 - 425
5) Mixing ratio with 100 parts of Synpol 200	45 - 55
6) Pot life @ 25 <sup>0</sup> C with Synpol 200 of 100 g mass, mts.	5 - 15
7) Suggested cure schedule @ 25 <sup>0</sup> C., days. for maximum performance	3

### COMPATIBILITY :

Hardener 100 is compatible with all types of modified and unmodified liquid epoxy resins, reactive diluents, plasticizers, and other hardener based on aliphatic and aromatic polyamines, polyamides etc.

### APPLICATIONS :

Hardener 100 is specially formulated for fast setting adhesives, potting compounds and other electro-technical applications. It bonds metals, ceramics, vulcanized rubber, rigid plastics, etc. to themselves or other materials. It is also very useful for manufacture of hardener component of filled glues and putties used for general purpose industrial and domestic adhesives. Because of its fast setting properties, it finds application in electrical and electronic circuits as polymer welding application for fastening electric components and lead terminals against mechanical vibrations. It is also suggested for potting of small electrical and electronic components to protect from moisture, heat, dust and to give mechanical stability.

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DISCLAIMER: Above Specifications are subject to change without prior notice and company reserves the right to modify the same at any time

## MATERIAL SAFETY DATA:

Flash point ° C. (Abel closed cup)	100
Flammability	Combustible.
Toxicity	Mild toxic. Avoid direct contact with skin.
Handling	Keep away from sources of ignition, provide all electric connections of flame-proof design. Wear safety glasses, rubber gloves and protective clothings.
Emergency treatment and measures	
1 Hygienic precautions	Adequate ventilations.
2 Hygienic treatments (First Aid)	Flush eyes thoroughly with water. Apply ophthalmic cortisone for conjunctivitis and keratities. Wash out contaminated skin with soap and water. Gastric lavage (stomach wash), if swallowed, followed by saline catharsis.
3 Fire precautions (in case of outbreaks)	Use dry chemical or carbon dioxide. Water spray may help to keep containers cool, to dilute leaked resins and to diffuse vapours.
Spills and leakage	Absorb liquid materials in sand and collect solid material and burn under hood in incinerator.
Disposal and waste treatment	Spray into furnace under controlled conditions.

## STORAGE:

Hardener 100 should be stored in cool place under shade. The properties are so adjusted to have storage stability of minimum 6 months.

## PACKING:

25 kgs. M.S. drums, 50 kgs. Plastic carboys and 200 kgs. M.S. barrels.

## DISCLAIMER:

Information in this literature is to the best of our knowledge true and accurate. However, since conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee.

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