



SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE : Hardener / 04.33

Hardener 2021

TYPE : Modified Aliphatic Polyamine Adduct

DESCRIPTION : Light colored, low viscosity liquid hardener having good pot life. This is a modified aliphatic polyamine normally used for curing liquid epoxy resins at room temperature.

SPECIFICATIONS :

1) Appearance	Pale yellow clear viscous liquid.
2) Viscosity @ 25 ^o C., poises	3 - 5
3) Colour (Gardner)	4 max.
4) Amine value by HClO ₄ method, mg. KOH / gm.	385 - 410
5) Mixing ratio with 100 parts of liquid epoxy resin, Synpol 200	45
6) Pot life @ 25 ^o C with Synpol 200 of 145 g mix, minutes.	20 - 40
7) Gel Time @ 25 ^o C with Synpol 200 of 145 g mix, minutes.	40 typical
8) Suggested cure schedule @ ambient, days.	2 - 7
9) H Equivalent weight	85

COMPATIBILITY :

Hardener 2021 is compatible with all types of modified and unmodified liquid epoxy resins, reactive diluents, plastisizers, and other hardener based on aliphatic and aromatic polyamines, polyamides etc.

APPLICATIONS :

Hardener 2021 is moderately long pot life hardener. It gives high gloss finishes. It is specially formulated for High solids and solvent free coatings, Flooring, Laminates, etc.

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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 :

Product name	Hardener 2021
Flash point ⁰ C. (Abel closed cup)	110
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 2021 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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