



SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE : PHENOLIC / 07.02

Synpol L-97

TYPE : Butylated phenol formaldehyde resin.

DESCRIPTION : Non-catalysed butylated phenolic resin based cross linker for epoxy resins.

SPECIFICATIONS :

1) Appearance	Clear brownish viscous liquid.
2) Density @ 25 ⁰ C.	0.99 - 1.00
3) % Solids @ 120 ⁰ C. for 2 hrs.	66 - 70
4) Solvent	n-Butyl Alcohol
5) Viscosity @ 25 ⁰ C. , poises (gardner)	2 – 4
6) Acid value of resin solids, mg KOH / gm	45 - 65
7) Mineral spirit tolerance, ml for 10g resin	15 - 25

SOLUBILITY :

Synpol L-97 is soluble in alcohols, esters, ketones, aromatic hydrocarbons. It has limited solubility in aliphatic hydrocarbons and is insoluble in water.

COMPATIBILITY :

Synpol L-97 is compatible with medium and high molecular weight epoxy resins, reactive polyamides, short oil alkyd resins, polyvinyl butyrals and formals.

APPLICATIONS :

Synpol L-97 in combination with suitable epoxy resins such as Synpol 1800 and Synpol 4000 gives tough and flexible films having chemical, alkali and acid resistant properties. These combinations are very useful for coatings for containers, collapsible tubes and tins used for packing of drugs, foods, cosmetics and pesticides. It is also useful for etch primers based on polyvinyl butyral resins. Synpol L-97 also finds applications in adhesives, insulating varnishes and wire enamels.

As Synpol L-97 is not catalysed, it is suggested to prepare precondensate with epoxy resins to improve film properties like reduced tendency to pinholing, better adhesion, and can stability.

SUGGESTIVE FORMULATION :

Epoxy-phenolic green container coating for corrosive liquids.

	kgs.
Chromium oxide green	5.2
Synpol 1800	26.0
Synpol L-97	8.6
Cellosolve acetate	27.5
Xylene	27.5
Phosphoric acid (10 % solution in n-Butyl alcohol)	<u>5.2</u>
Total	100.0
% Solids	36
Epoxy-phenolic ratio (on solids)	85 : 15
Stoving schedule @ 180 - 210 ⁰ C, minutes	20 - 30

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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	Synpol L-97
Flash point ° C. (Abel closed cup)	31
Flammability	Moderate fire risks.
Toxicity	Moderately toxic by exposure and inhalation due to vapours of n-Butyl alcohol and residual formaldehyde.
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 :

Due to thermosetting nature of Synpol L-97, it 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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