



SYNPOL PRODUCTS PRIVATE LTD.

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

PRODUCT CODE : EPOXY / 03.22

Epoxy Alcohol BGE

TYPE: Reactive mono-epoxy diluent.

DESCRIPTION: Thin water white reactive epoxy diluent based on n-Butanol and Epichlorohydrine. (Butyl Glycidyl Ether)

SPECIFICATIONS:

1) Appearance	Colorless Clear Liquid
2) Specific gravity @ 25 ⁰ C.	0.90 - 0.95
3) Viscosity @ 25 ⁰ C., Brookfield spindle # 00, 100 rpm, cps	1 - 3
4) Colour value (Gardner)	1 max.
5) Epoxide equivalent weight	140 - 170

SOLUBILITY:

Epoxy Alcohol BGE is soluble in alcohols, esters, ketones and aromatic hydrocarbons and is slightly soluble in water.

COMPATIBILITY:

Epoxy Alcohol BGE is compatible with all grades of epoxy resins, other reactive diluents and plastisizers.

APPLICATIONS:

Epoxy Alcohol BGE is mainly used for lowering the viscosity and improving handling properties of liquid epoxy resins. It is characterised by its exceptionally high capacity of dilution. The addition of low percentage weight of Epoxy Alcohol BGE results in considerable drop in viscosity of liquid epoxy resins. It should not be used over 15 % weight of liquid epoxy resins as it brings considerable deterioration in cured properties. Further it should be used for room temperature curing applications, as considerable vapor pressure occurs above 50⁰ C.

Epoxy Alcohol BGE finds application in casting, electrical laminates, tooling, coating and impregnation. Further it offers advantages such as ease of mixing and application, improved wetting characteristics, excellent acceptance of higher filler loading and brings lower cost of formulation.

SUGGESTIVE FORMULATION:

Chemical resisting solvent free clear coating.

Part I	kgs.		
Synpol 200	100		
Epoxy Alcohol BGE	<u>5</u>	<u>105</u>	
Part II			
Hardener 340	48		
Hardener 350	<u>16</u>	<u>64</u>	
	Total	169	

Cure schedule @ 25⁰ C., days 14 (For optimum properties)

Dry time @ 25⁰ C., hrs. 12 - 14

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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	Epoxy Alcohol BGE
Flash point ° C. (Abel closed cup)	50
Flammability	Combustible
Toxicity	Moderate toxic, avoid skin contact.
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:

Epoxy Alcohol BGE 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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