



Bisphenol A Epoxy Resin

CAS#: 25068-38-6

Where is this allergen found?

Epoxy is a synthetic resin that uses two chemical components (typically diglycidyl ethers and a combination of bisphenol A and epichlorohydrin) to harden or cure. Epoxy resins can be made flexible or rigid, transparent or opaque, fastsetting or slow-setting and are extremely heat and chemical resistant making them ideal for many industrial applications- plastics manufacturing, casting resins, composite and fiberglass resins and two-component adhesives, as well as electrical insulating materials. It may be added to paints and varnishes, textile and paper coatings, concrete, mortar and cement, and to embed and prepare histology specimens. It is also used to manufacture many consumer products such as eyeglass frames, handbags, necklaces, and some vinyl gloves. Epoxy resins are frequently used in dentistry as well.

How can you avoid contact with this allergen?

Avoid products that list any of the following names in the ingredients:

- Epoxy resin
- Diglycidyl ether of bisphenol A
- Diomethane diglycidyl ether
- 2,2-bis(4-glycidioxyphenyl)propane
- Araldite®
- 2,2'-((1-Methylethylidene)bis(4,1-phenyleneoxymethylene))bisoxirane
- 2,2-Bis(4-(2,3-epoxypropyloxy)phenyl)propane
- 2,2-Bis(4-hydroxyphenyl)propane, diglycidyl ether
- 2,2-Bis(p-glycidioxyphenyl)propane
- 4,4'-Bis(2,3-epoxypropoxy)diphenyldimethylmethane
- 4,4'-Dihydroxydiphenyldimethylmethane diglycidyl ether
- 4,4'-Isopropylidenebis(1-(2,3-epoxypropoxy)benzene)
- 4,4'-Isopropylidenediphenol diglycidyl ether
- Bis(4-glycidioxyphenyl)dimethylmethane
- Bis(4-hydroxyphenyl)dimethylmethane diglycidyl ether
- Bisphenol A diglycidyl ether
- BPDGE

- CCRIS 1965
- Dian diglycidyl ether
- Diglycidyl bisphenol A
- Diglycidyl diphenylolpropane ether
- Diglycidyl ether of 2,2-bis(p-hydroxyphenyl)propane
- Diglycidyl ether of 4,4'-isopropylidenediphenol
- Diglycidyl ether of bisphenol A
- Diomethane diglycidyl ether
- EINECS 216-823-5
- Oxirane, 2,2'-((1-methylethylidene)bis(4,1-phenyleneoxymethylene))bis

What are some products that may contain this allergen?

Art and Sculpture Materials

Casting Resins

- Casting resin
- Smooth-on epoxy casting compounds

Coated Paper and Textiles

Concrete, Mortar, Cement

Dental Restoratives

Electrical Insulation Materials

Epoxies

Fiberglass

Flooring, Floor Sealers and Coatings

Model and Mold Construction

Protective Finishes, Coverings and Surface Coatings

Two Component Glues and Adhesives

Two Component Paints and Varnishes

Notes:

Epoxies penetrate vinyl and most natural and synthetic rubber gloves. Silver Shield/4H gloves may be used instead to provide protection against epoxy resin.

For additional information about products that might contain this allergen, visit the Consumer Product Information Database (householdproducts.nlm.nih.gov) online at the United States National Library of Medicine. These lists are brief and provide just a few examples. They are not comprehensive. Product formulations also change frequently. Read product labels carefully and talk to your doctor if you have any questions. These are general guidelines. Talk to your doctor for more specific instructions.