

Your T.R.U.E. TEST results indicate that you have a contact allergy to p-tert-butylphenol formaldehyde resin. This contact allergy may cause your skin to react when it is exposed to this substance, although it may take several days for the symptoms to appear. Typical symptoms include redness, swelling, itching and fluid-filled blisters.

This substance is most commonly found in glues; surface coatings; and adhesives used in shoes, upholstery, leather, and hobbies.

WHERE IS P-TERT-BUTYLPHENOL FORMALDEHYDE RESIN FOUND?

At work, you may find p-tert-butylphenol formaldehyde resin in and around:

- Manufacture and use of polychloroprene adhesives
- Manufacture and repair of shoes, especially shoes and components made of rubber
- Adhesives used on electrocardiograph monitoring electrodes
- Production of fiberglass and mineral fiber insulation
- Manufacture of construction materials such as laminated wood and plywood products
- Surface coatings, varnishes and inks
- Duplicating paper

It is also used in the automotive industry as a sealant and brake lining for cars.

At home, you may find p-tert-butylphenol formaldehyde resin in:

- Glued rubber and leather goods such as shoes, handbags, watchbands, hats and belts. When shoes get wet, the allergen in these glues may be dissolved and can come in contact with the skin.
- Glues for fabric and upholstered furniture

It may be included in cosmetics (e.g., deodorants, lip liner) and plastic mail adhesives.

HOW CAN YOU AVOID P-TERT-BUTYLPHENOL FORMALDEHYDE RESIN?

- Only use products that do not list p-tert-butylphenol formaldehyde resin or related chemicals on the label, ingredient list or Material Safety Data Sheet (MSDS). If no information is available, contact the product manufacturer.
- Avoid the use of waterproof glues in leather and rubber shoes. If you must wear leather or rubber shoes, change socks frequently to prevent exposure through sweat. You may have to replace shoes that become soaked by water if you develop a rash on your feet. Do not have components of shoes reglued by a shoe repair person.
- Avoid direct skin contact with glued wood or laminated wood products as well as with fiberglass and mineral fiber materials.
- It may be necessary to avoid duplicating paper and glued fabric materials.
- If you must work with materials that may contain p-tert-butylphenol formaldehyde resin, wear protective gloves. Heavy-duty chemically resistant gloves may be good for working with adhesives that contain this resin. When working with finished wood and dry products, use fabric or leather gloves to protect your hands from contacting the resin.
- Tell your physician and pharmacist that you are allergic to p-tert-butylphenol formaldehyde resin. Ask for products that do not contain p-tert-butylphenol formaldehyde resin or related substances.
- If you think that you contact p-tert-butylphenol formaldehyde resin at work, ask your employer for MSDS or manufacturer information on the product(s). Talk to your employer about using a different product or about wearing protective gloves and clothing.

WHAT SHOULD YOU LOOK FOR AND AVOID?*

Avoid products with the following names in the list of ingredients, MSDS or package insert.

- p-tert-butylphenol formaldehyde (PTBP) or paraformaldehyde
- formaldehyde, p-tert-butylphenol polymer
- p-tert-butylphenol formaldehyde resin (PTBP FR)
- formaldehyde, p-tert-butylphenol polymer
- 4-(1,1-cimethylethyl)phenol, formaldehyde polymer

Related substances to which you may react:

- Neoprene adhesives

WHAT ARE SOME PRODUCTS THAT MAY CONTAIN P-TERT-BUTYLPHENOL FORMALDEHYDE RESIN?*

- Leather and rubber adhesives in the shoe and upholstery industries

WHAT PRODUCTS MAY NOT CONTAIN P-TERT-BUTYLPHENOL FORMALDEHYDE RESIN?*

- Shoes and products made of vinyl, plastic, silicone, polyurethane, polyethylene, or acrylates
- Scanpor[®] surgical paper tape

*These lists are brief and provide just a few examples. Read product labels carefully and talk to your doctor if you have any questions. Product formulations may change from time to time without notice. Talk to your doctor for specific instructions. For additional information about products that might contain **p-tert-butylphenol formaldehyde resin** or a related substance, go to the Household Products Database online (householdproducts.nlm.nih.gov) at the United States National Library of Medicine.