



the art and science of smart patch testing™

PG297: 4-tert-butylcatechol **CAS#: 98-29-3**

Patient Information

Your patch test result indicates that you have a contact allergy to 4-tert-butylcatechol. 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.

Where is 4-tert-butylcatechol found?

4-tert-butylcatechol (PTBC) is used as an antioxidant in fats, oils, and mineral oils, and as a stabilizer in polyester resins and polystyrene resins. A concentration of PTBC (up to 0.005%) can be found in paints, glues, thermal paper, lubricating oil, and mineral oil products.

How can you avoid contact with 4-tert-butylcatechol?

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

- EINECS 202-653-9
- 1,2-Benzenediol, 4-(1,1-dimethylethyl)
- 1,2-Dihydroxy-4-tert-butylbenzene
- 4-TBC
- 4-t-Butylcatechol
- 4-t-Butylpyrocatechol
- 4-tert-Butyl-1,2-benzenediol

What are some products that may contain 4-tert-butylcatechol?

[Adhesives](#)

[Paints](#)

[Paper](#)

*For additional information about products that might contain **4-tert-butylcatechol**, go to the Household Product Database online (<http://householdproducts.nlm.nih.gov>) 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.