



the art and science of smart patch testing™

DM211: 1,3-butandiol-dimethacrylate

Patient Information

Your patch test results indicate that you have a contact allergy to 1,3-butandiol-dimethacrylate. 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 1,3-butandiol-dimethacrylate found?

This is an adhesive for dental resin and can be found in fillings and sealants. Dental resins are made with 1,3 butandiol dimethacrylate for the the esthetics and mechanical properties. Such resins are considered suitable for dental prostheses such as inlays or crowns.

How can you avoid contact with 1,3-butandiol-dimethacrylate?

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

- 1,3-Butanediol, dimethacrylate
- 1,3-Butylene dimethacrylate
- Methacrylic acid, 1,3-butylene ester (2:1)
- Methacrylic acid, 1-methyl-1,3-propylene ester
- Methacrylic acid, 3-methyl-1,3-propylene ester

What are some products that may contain 1,3-butandiol-dimethacrylate?

Dental Products

For additional information about products that might contain **1,3-butandiol-dimethacrylate**, 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.

