



the art and science of smart patch testing™

DC341: Basic Red 46

CAS#: 12221-69-1

Patient Information

Your patch test result indicates that you have a contact allergy to basic red 46. 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 basic red 46 found?

Basic red 46 is a dark red powder dye used in wool, silk, acrylic/cellulosic (cotton or linen) fiber blends, polyester and acrylic textile printing (sweaters, shirts, socks etc.) Allergic patients should avoid contact with these materials, wash new clothing or bed linens multiple times before use, and wear fabric made of natural fibers such as silk, wool, and cotton.

How can you avoid contact with basic red 46?

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

- Basic red 46
- Cationic red X-GRL
- 3(or5)-[[4-[benzylmethylamino]phenyl]azo]-1,2(or1,4)-dimethyl-1H-1,2,4-triazolium bromide
- C.I. Basic red 46; 5-[(E)-{4-[benzyl(methyl)amino]phenyl}diazenyl]-1,4-dimethyl-4,5-dihydro-1H-1,2,4-triazol-1-ium bromide

Wear loose fitting clothes if possible and avoid nylon stockings especially dark colors.

Wash new clothing or bed linens twice before use.

Wash all new clothes and bed linens three times before using.

Try to wear natural-based fabrics, silk, cotton, and wool.

Long sleeve white silk underwear can be worn if certain outer wear fabrics cannot be avoided.

What are some products that may contain basic red 46?

Products that have been colored dark red:

- Acetate and polyester fabrics/liners
- Bedding
- Clothing
- Socks
- Fire-retardant work apparel

Some patients with disperse dye allergy also react to para-phenylenediamine.

Patients allergic to a disperse dye should avoid polyester and acetate fabrics (and nylon, if possible). They should also avoid garments made from pure polyester, acetate blends, colored blue or dark colors like black, brown, green, violet and purple.

Levi Strauss 501 blue jeans usually do not cause dermatitis in dye-sensitive individuals.

*For additional information about products that might contain **basic red 46**, 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.