

Your TRUE TEST results indicate that you have a contact allergy to methyldibromo glutaronitrile (MDBGN). 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.

Methyldibromo glutaronitrile, also referred to as dibromodicyanobutane, is a component of the preservative of Euxyl K400. Euxyl K400 also contains phenoxyethanol (PE). Because of its sensitizing potential, it has been banned for use in leave-on products in Europe. The European Cosmetic Directive prohibits the use of methyldibromo glutaronitrile. Therefore, it should not be found in cosmetic products sold in European Union states. You are most likely to contact methyldibromo glutaronitrile when using cosmetic and personal care products such as body creams, facial and hand lotions, sunscreens, baby lotions, shower gels, ultrasonic gels, toilet papers, shampoos and massage oils. It is also found in cutting oils, drilling oils, glues and coolants.

WHERE IS METHYLDIBROMO GLUTARONITRILE FOUND?

At work, you may find methyldibromo glutaronitrile in:

- Cutting oils and drilling oils
- Coolants
- Glues and adhesives

At home, you may find methyldibromo glutaronitrile in:

- Skin care products such as body creams, facial/hand lotions, sunscreens, massage oils and baby lotions
- Personal hygiene products such as moist toilet paper, shampoos, conditioners and shower gels
- Medical products such as ultrasonic gels

HOW CAN YOU AVOID METHYLDIBROMO GLUTARONITRILE?

- Avoid direct skin contact with products that contain methyldibromo glutaronitrile. Be sure to read ingredients in all personal care products before you use them.
- Only use products that do not list methyldibromo glutaronitrile or related chemicals on the label, ingredient list or Material Safety Data Sheet (MSDS). If no information is available, contact the product manufacturer.
- Tell your physician, pharmacist, dentist, veterinarian, beautician and hairdresser that you are allergic to methyldibromo glutaronitrile. Ask for products that do not contain methyldibromo glutaronitrile or related substances.
- Use heavy-duty utility gloves when working with chemicals that might contain methyldibromo glutaronitrile.
- If you think that you contact methyldibromo glutaronitrile 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 different 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.

- 1,2-Dibromo-2,4-dicyanobutan
- 2-Bromo-2-(bromomethyl) glutaronitrile
- 2-Bromo-2-(bromomethyl) pentanedinitrile
- Glutaronitrile, 2-bromo-2-(bromomethyl)-
- Methyldibromo glutaronitrile
- Pentanedinitrile, 2-bromo-2-(bromomethyl)-
- MDBGN

*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 **methyldibromo glutaronitrile** or a related substance, go to the Household Products Database online (householdproducts.nlm.nih.gov) at the United States National Library of Medicine.