



## PATIENT INFORMATION LEAFLET: 2-bromo-2-nitropropane-1,3-diol

**Your patch test shows that you have a contact allergy to :** 2-bromo-2-nitropropane-1,3-diol

**Synonym(s):** bronopol, bronosol.

**Definition:** 2-bromo-2-nitropropane-1,3-diol is an antimicrobial and is primarily used as a preservative; it is a so-called “formaldehyde-releaser”, meaning it releases the preservative “formaldehyde”.

**Use and occurrence:**

- Skin care products, including hand and facial moisturizers, body lotions, cosmetics, make-up (e.g. blush, eye pencils, mascara), false tans, make-up removers, wet wipes, shampoos, hair conditioners, hair care products.
- Pharmaceutical products, including moisturizing creams, suppositories, (antiseptic) wet wipes.
- Household detergents, washing powders and liquids; fabric softeners.
- Paints, glues.
- Textiles and textile finishes.
- Industrial cooling fluids and cutting oils.
- Industrial water systems (e.g. paper industry).

**Remarks:**

- Patients allergic to 2-bromo-2-nitropropane-1,3-diol may in fact be allergic to the formaldehyde it releases, although isolated contact allergy to 2-bromo-2-nitropropane-1,3-diol may occur.
  
- If one is allergic to formaldehyde, then “formaldehyde-releasers” should be avoided, including, besides 2-bromo-2-nitropropane-1,3-diol, imidazolidinyl urea (Germall 115), diazolidinyl urea (Germal II), quaternium-15 (Dowicil 200), sodium hydroxymethylglycinate, DMDM hydantoin and Grotan BK<sup>®</sup>.

*Disclaimer: Always check your products as these lists can never be complete and ingredients change.*