



the art and science of smart patch testing™

DM210: (2-hydroxyethyl)-methacrylate

Patient Information

CAS#: 868-77-9

Your patch test results indicate that you have a contact allergy to (2-hydroxyethyl)-methacrylate. 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 (2-hydroxyethyl)-methacrylate found?

The use of resin-based materials is becoming increasingly common in many fields, including dentistry. Allergic responses to such materials following skin contact have been reported in many dentists, dental assistants, and dental technicians. Clinical reports of allergic responses to resin-based restorative materials in dental personnel demonstrated that the acrylic monomer 2-hydroxyethyl methacrylate (HEMA) is the most common sensitizer responsible for the induction of severe hypersensitivity in susceptible individuals. This substance is also used in high performance coatings for glass to guard against scratching and weathering. It is found in paint resins and binders for textiles and paper. It is also found in metal coatings as an adhesion promoter.

How can you avoid contact with (2-hydroxyethyl)-methacrylate?

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

- 2-(Methacryloyloxy)ethanol
- 2-Hydroxyethyl methacrylate
- 2-Hydroxyethylmethacrylate
- 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester
- 4-02-00-01530 (Beilstein Handbook Reference)
- BRN 1071583
- CCRIS 6879
- EINECS 212-782-2
- Ethylene glycol methacrylate
- Ethylene glycol, monomethacrylate
- Glycol methacrylate
- Glycol monomethacrylate
- HSDB 5442
- Hydroxyethyl methacrylate
- Methacrylic acid, 2-hydroxyethyl ester
- Mhoromer
- Monomer MG-1
- Monomethacrylic ether of ethylene glycol
- NSC 24180

What are some products that may contain (2-hydroxyethyl)-methacrylate?

Household Products:

- Binders

■ Paints

For additional information about products that might contain **(2-hydroxyethyl)-methacrylate**, 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.