

17 Cl+ Me– Isothiazolinone – Patient Information

Your T.R.U.E. TEST results indicate that you have a contact allergy to Cl+ Me– isothiazolinone (also known as MCI/MI) or one of its components. 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.

Cl+ Me– Isothiazolinone contains methylchloroisothiazolinone (MCI) and methylisothiazolinone (MI). These substances are used as preservatives and biocides in many personal care, household and industrial products.

Where is Cl+ Me– isothiazolinone or one of its components found?



At work, you may find Cl+ Me– isothiazolinone or one its components in:

- Industrial metal working, lubricating and cutting fluids
- Latex emulsions and paints
- Manufacture of cleaning, personal hygiene, cosmetic, skin care and hair care products
- Air conditioning and cooling liquids
- Adhesives and glues
- Cleaning products, hand soaps and cleansers
- Slime control in paper mills



At home, you may find Cl+ Me– isothiazolinone or one its components in:

- Cosmetics such as foundations and powders, blush, mascaras, eye shadows, eyeliners and pencils
- Cleaning products, waxes, polishes and paints
- Skin care products such as creams, lotions, moisturizers and tanning products
- Hair care products such as conditioners, shampoos and coloring agents
- Laundry products such as detergents, fabric softener
- Personal hygiene items such as soaps, cleaners, bubble baths and wipes

How can you avoid Cl+ Me– isothiazolinone?

- This substance is very common in personal care, cosmetic and household products. Only use products that do not list Cl+ Me– isothiazolinone (MCI/MI) or related chemicals on the label, ingredients list or Material Safety Data Sheet (MSDS). If there is no information, find an alternate product or contact the product manufacturer.
- Tell your physician, pharmacist, dentist, veterinarian, beautician and hairdresser that you are allergic to Cl+ Me– isothiazolinone (MCI/MI). Ask for preparations that do not contain this substance.
- If you must use products that contain Cl+ Me– isothiazolinone (MCI/MI) on pets or children, wear protective gloves. Utility gloves made of natural or synthetic rubber, or vinyl, are good for working with products that may contain Cl+ Me– isothiazolinone (MCI/MI).
- If you think that you contact Cl+ Me– isothiazolinone at work, ask your employer for MSDS or manufacturer information on the product(s). Talk to your employer about using a different product or wearing heavy-duty protective gloves and clothing.

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What should you look for and avoid?*

Avoid products that list any of the following names in the ingredients, MSDS or package insert.

• **Methylchloroisothiazolinone** (MCI) or 5-chloro-2-methyl-4-isothiazolin-3-one; Kathon; 5-chloro-2-methyl-2H-isothiazol-3-one

• **Methylisothiazolinone** (MI) or 2-methyl-4-isothiazolin-3-one; 2-methyl-3(2H)-isothiazolone; 2-methyl-2H-isothiazol-3-one

What are some products that may contain Cl+ Me– isothiazolinone?*

- Pantene® Pro V shampoo / conditioner
- Suave® Performance Series shampoo
- Clairol® Hydrience Permanent Hair Color
- Thermasilk® Moisturizing Shampoo
- Suave® Liquid Hand Soap
- Kirkland Ultra Dishwashing Liquid Soap
- Rite Aid® Baby Moist Wipes with Aloe
- Johnson's® No More Tangles Spray-On Detangler
- Nivea® Creme
- Eucerin® Original Moisturizing Lotion
- Suave® Moisturizing Body Wash Aloe Vera & Vitamin E
- Rohm & Haas preservative for latex paints

What products are not likely to contain Cl+ Me– isothiazolinone?*

- Alberto VO5® Herbal Shampoo
- Clairol® Loving Care Hair Color
- Lubrex® Cream
- Cetaphil® Moisturizing Cream, Fragrance Free
- Lady Grecian® Formula
- Neutrogena® Transparent Facial Bar
- Gillette® Shaving Gel for Women
- Huggies® Wipes with Aloe and Vitamin E
- Neutrogena® Triple Moisture Shampoo
- Joy® Dishwashing Liquid, Mandarin Orange
- Lubrex® Cleanser
- DHS™ Conditioning Rinse With Panthenol

*For additional information about products that might contain Cl+ Me– Isothiazolinone or a related substance, 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 questions. These are general guidelines. Talk to your doctor for more specific instructions.