CAINE MIX

Your patch test result indicates that you have a contact allergy to caine mix. 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 caine mix found?

Caine mix contains the following three allergens:

- Benzocaine, SP
- Tetracaine hydrochloride, USP
- Dibucaine hydrochloride, USP

These substances are local anesthetics used in topical over-the-counter and prescription products to numb or soothe the skin.

How can you avoid contact with caine mix?

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

- Ylang Benzocaine or 4-carbethoxyaniline; ethyl PABA; benzoic acid, 4-amino-, ethyl ester; ethyl 4-aminobenzoate
- Tetracaine or dimethylaminoethyl p-butyl-aminobenzoate; benzoic acid, 4-(butylamino)-, 2-(dimethylamino)ethyl ester
- Dibucaine or cinchocaine; butyloxycinchoninic acid diethylethylenediamide; 2-butoxyquinoline-4-carboxylic acid diethylaminoethylamide

What are some products that may contain caine mix?

**Benzoic Acid Derivatives:**

- Metabutethamine
- Procaine
- Proparacaine
- Benoxinate hydrochloride
- Butamben picrate
- Cocaine hydrochloride
- Butacaine
- Amylocaine
- Benzamine
- Naepaine
- Cyclomethycaine
- Orthocaine
- Meptrilcaine hydrochloride
- Propoxycaine
- Metabutozycaine risocaine
- Piperocaine hydrochloride
- Chloroprocaine hydrochloride
- Hexylcaine hydrochloride
- Meta-aminobenzoic acid esters
- Proparacaine hydrochloride

**Other Agents:**

- Procainamide – anti-arrhythmic
- PABA esters – sunscreens
- Hydrochlorothiazide – diuretic
- Aniline dyes
- Sulfonamides – antibiotics
- Sulfonylureas – anti-diabetic agent
- para-aminobenzoic acid (p-amino-benzoic acid) (PABA) – sunscreens
- Paraphenylenediamine (p-phenylenediamine) hair and fur dyes
- Para-aminosalicylic acid (p-amino-salicylic acid) (PAS) – antimicrobial agent

For additional information about products that might contain caine mix, go to the Household Product Database online (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.