Your patch test result indicates that you have a contact allergy to cocamidopropyl betaine. 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 cocamidopropyl betaine found?
Cocamidopropyl betaine is used in personal care products like shampoos, hand soaps, and toothpastes, and in cosmetics as an emulsifying agent and thickener. It is also used in conditioners to reduce static cling.

How can you avoid contact with cocamidopropyl betaine?
Avoid products that list any of the following names in the ingredients:
- 1-Propanaminium, N-(carboxymethyl)- N,N-dimethyl-3-((1-oxococonut)amino)-, hydroxide, inner salt
- N-(2-Aminoethyl)-N-(2-(2-carboxyethoxy)ethyl) beta-alanine, norcoco acyl derivs., disodium salts
- N-(Carboxymethyl)-N,N-dimethyl-3-((1-oxococonut)amino)-1-propanaminium
- Cocamidopropyl betaine
- Cocamidopropyl dimethyl glycine
- CAS RN: 61789-40-0

What are some products that may contain cocamidopropyl betaine?

### Anti-fungal:
- Mycocide NS

### Cosmetics:
- Gillette Multi-Glide Shave Gel B,CPB

### Hair Coloring Kits:
- Clairol Natural Instincts Haircolor, Level 2, Hazelnut-20
- Clairol Textures and Tones Hair Colors (Ethnic)
- L'Oreal Preference Haircolor, Light Ash Blonde 9A

### Hair Styling Products:
- Alberto VO5 Curvaceous Curls Styling Mousse
- Alberto VO5 Whipped Volume Styling Mousse
- L'Oreal Studio Amped Up Volumizing Mousse
- Rave 3X Shaping Mousse
- Suave Extra Hold Shaping Mousse
- Suave Naturals - Volumizing Mousse Spray Gel
- Suave Professionals - Healthy Curls Scrunching Mousse
- Suave Professionals - Volumizing Foam
- TRESemme Flawless Curls Curl-Enhancing Mousse
- TRESemme Tres Mousse
- TRESemme Volumizing Mousse
- TRESemme Weightless Body Volumizing Mousse
- White Rain Volumizing Extra Hold Mousse

### Mouthwash:
- Breath Rx Anti-Bacterial Mouth Rinse - Clean Mint (Alcohol-Free)
- Discus Dental Breath R/X

### Shampoo/Conditioner:
- Alberto VO5 Extra Body Shampoo
- Alberto VO5 Herbal Escapes Moisturizing Shampoo
- Alberto VO5 Moisture Milks Nourishing Shampoo
- Alberto VO5 Normal Shampoo
- Aveeno Baby Wash & Shampoo
- Charles Worthington Big Hair Full Volume Shampoo
- Clairol Herbal Essences Citrus Lift - Bodifying Shampoo
- Clairol Herbal Essences Color Me Happy Shampoo
- Clairol Herbal Essences Conditioner-Fine/Limp Hair
- Clairol Herbal Essences DeGunkify Shampoo
- Clairol Herbal Essences Drama Clean - Refreshing Shampoo
- Clairol Herbal Essences Replenishing Shampoo
- Clairol Herbal Essences Totally Twisted - Curls & Waves Shampoo
- Clairol Texture and Tones Moisturizing Shampoo (Ethnic)
- Clobex Rx Clobex Shampoo
- Denorex 2-in-1 Dandruff Shampoo and Conditioner Extra Strength
- Dermarest Psoriasis Medicated 2-in-1 Shampoo and Conditioner
- Dove Advanced Pro-Age, Color Care (all types)
- Dove Cool Moisture Shampoo, Sheer Moisture Shampoo
- Dove Extra Volume Shampoo, Extra Volume 2 in 1 Shampoo & Conditioner
- Dove Moisture Rich Color Shampoo
- Dove Moisturizing Shampoo
- Dove Shampoo Therapy
- Finesse Moisturizing Shampoo

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## Shampoo/Conditioner continued:
- Garnier Fructis 2-in-1 Antidandruff Shampoo and Conditioner
- Garnier Fructis 2-in-1 Shampoo and Conditioner for Normal Hair
- Garnier Fructis Body & Volume Shampoo for Flat and Lifeless Hair
- Garnier Fructis Curl & Shine Shampoo
- Garnier Fructis Length and Strength Shampoo for Split Ends
- Garnier Fructis Shampoo for Color Treated or Permed Hair
- Garnier Fructis Shampoo for Dry or Damaged Hair
- Garnier Fructis Shampoo for Normal Hair
- Garnier Fructis Sleek & Shine Shampoo for Flyaway/Frizzy Hair
- Garnier Fructis Sleek & Shine Sheer
- Huggies Clean Team 2-in-1 Shampoo With Conditioner
- Johnson’s Baby Shampoo (all types)
- Johnson’s Buddies Easy Comb 2-in-1 Shampoo
- Johnson's Detangling Shampoo - 2-in-1 Formula
- L’Oreal Vive Pro - Nutri Gloss Shampoo (all types)
- L’Oreal Vive Pro - Smooth Intense Shampoo for Fine Hair
- L’Oreal Vive Pro - Smooth Intense Shampoo for Medium Hair
- L’Oreal Vive Pro - Smooth Intense Shampoo for Thick Hair
- L’Oreal Vive Pro - Style & Body Infusing Shampoo (all types)
- Magick Botanicals (800-237-0674) Shampoo
- Mane & Tail Shampoo
- Matrix Biolage Color Care Shampoo
- Matrix Biolage Hydrating Shampoo
- Matrix Biolage Smoothing Shampoo
- Neutrogena Clean Replenishing Moisturizing Shampoo
- Neutrogena Clean Volume Body Enhancing Shampoo
- Neutrogena Shampoo - Anti-Residue Formula
- Neutrogena T/Gel Daily Control 2-in-1 Dandruff Shampoo and Conditioner
- Neutrogena T/Gel Extra Strength Shampoo
- Neutrogena T/Gel Original Shampoo
- Neutrogena T/Sal Therapeutic Shampoo
- Nexxus AloeRid Shampoo
- Nexxus Botanil Shampoo
- Nexxus Color Assure Shampoo
- Nexxus Diametress Shampoo
- Nexxus SleekTress Shampoo
- Nexxus Therappe Shampoo
- Pantene ProV - Blonde Expressions Shampoo
- Pantene ProV - Restorative Shampoo - Breakage Defense
- Pantene ProV - Silver Expressions Shampoo
- Redken For Men Go Clean Shampoo
- Salex Rx Salicylic Acid Shampoo
- Selsun Selsun Blue Medicated Shampoo
- Suave Daily Clarifying Shampoo
- Suave For Men - Deep Cleaning 2-in-1 Shampoo & Conditioner
- Suave Naturals - Citrus Smoothie Shampoo
- Suave Naturals - Tropical Coconut Shampoo
- Suave Professionals - Extreme Strength Shampoo
- Suave Professionals - Humectant Shampoo
- Suave Professionals - Radiant Brunette Shampoo
- Suave Professionals - Sleek Shampoo
- Suave Professionals - Vibrant Blonde Shampoo
- Suave Professionals - Volumizing Shampoo
- Suave Dandruff 2 In 1 Shampoo and Conditioner
- Suave Thickening 2 In 1 Shampoo
- Sunsilk Anti-Flat Shampoo
- Sunsilk Anti-Poof Shampoo
- Sunsilk Beyond Brunette Shampoo
- Sunsilk Blonde Bombshell Shampoo
- Sunsilk D-Frizz Shampoo
- Sunsilk Hydra TLC Shampoo
- Sunsilk No Major Issues Shampoo
- Sunsilk Straighten-Up Shampoo
- Sunsilk ThermaShine
- Thicker Fuller Hair Hair Moisturizing Shampoo, Hair Revitalizing Shampoo
- TRESemme Anti-Breakage Shampoo
- TRESemme Colour Revitalized Shampoo
- TRESemme Deep Cleansing Shampoo
- TRESemme Moisture Rich Shampoo
- TRESemme Natural Shampoo
- TRESemme Smooth & Silky Shampoo
- Ultra Swim Chlorine Removing Shampoo
- Wash & Curl Curling Shampoo
- White Rain Energizing Citrus Shampoo
- White Rain Extra Body Shampoo
- White Rain Fruit Fortifying Shampoo
- White Rain Water Blossoms Shampoo

## Soaps & Body Washes:
- Aveeno Baby Soothing Relief Creamy Wash
- Aveeno Baby Wash & Shampoo
- Aveeno Clear Complexion Daily Cleansing Pads
- Aveeno Clear Complexion Foaming Cleanser
- Aveeno Daily Moisturizing Body Wash
- Aveeno Positively Ageless Daily Exfoliating Cleanser
- Aveeno Positively Radiant Cleanser, Cleansing Pads
- Aveeno Positively Radiant Cleansing Pads
- Aveeno Skin Brightening Daily Scrub
- Aveeno Skin Relief Body Wash
- Aveeno Skin Relief Body Wash - Fragrance Free

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Soaps & Body Washes continued:

- Aveeno Stress Relief Body Wash
- Aveeno Ultra Calming Foaming Cleanser - Fragrance Free
- Baby Magic, Calming Milk Bath with Lavender & Chamomile
- Biore Blemish Fighting Ice Cleanser
- Biore Pore Minimizing Foaming Face Wash
- Burt’s Bees Body Wash
- Caress Berry Indulging Bar
- Caress Daily Silk Bar
- Caress Daily Silk Cashmere Luxury Body Wash
- Caress Exotic Oil Infusions Bar
- Caress Exotic Oil Infusions Body Wash
- Caress Glowing Touch Bar
- Caress Glowing Touch Body Wash
- Caress Tahitian Renewal Body Wash
- CeraVe Hydrating Cleanser P
- Clean and Clear Advantage Acne Cleanser
- Clean and Clear Daily Pore Cleansing Pads
- Clean and Clear Morning Burst Facial Cleanser
- Clean and Clear Morning Burst Shine Control Facial Cleanser
- Dial Antibacterial Body Wash (all types)
- Dial Antibacterial Hand Soap
- Dial Complete Antibacterial Foaming Hand Wash
- Dial Complete Antibacterial Foaming Hand Wash with Lotion
- Dove Beauty Bar (all types)
- Dove Beauty Body Wash
- Dove Cool Moisture Body Wash
- Dove Cream Oil Body Wash (all types)
- Dove Daily Hydrating Cleansing Cloths
- Dove Energy Glow Bar
- Dove Energy Glow Beauty Body Wash
- Dove Facial Cleansing Cloths for Sensitive Skin
- Dove Gentle Exfoliating Bar
- Dove Gentle Exfoliating Body Wash
- Dove Nourishing Hand Wash (all types)
- Dove Nutrium Bar
- Dove Pro Age Bar
- Dove Pro Age Beauty Body Wash
- Dove Sensitive Skin Unscented Bar
- Dove Sensitive Skin Body Wash
- FresH2O
- Gerber Grins & Giggles Baby Wash
- Huggies Baby Wash (all types)
- Irish Spring Body Wash Aloe
- Irish Spring Body Wash Original / Icy Blast
- Ivory Liquid Hand Soap
- Ivory Moisturizing Body Wash, Fresh Snow
- Ivory Moisturizing Body Wash, Natural Honey
- Johnsons Baby Softwash Cleansing Cloths
- Johnson’s Baby Wash - Head to Toe
- Johnson's Baby Wash - Moisture Care
- Johnson's Baby Wash - Shea and Cocoa Butter
- Johnson's Bedtime Moisture Wash
- Johnson’s Bedtime Wash Cloths
- Johnson’s Buddies Instant Foam Hand & Face Wash
- Lever 2000 Bar Soap - Energize
- Lever 2000 Bar Soap - Fresh Aloe
- Lever 2000 Bar Soap - Original
- Lever 2000 Pure Rain Body Wash
- Neutrogena Body Clear Body Scrub
- Neutrogena Body Clear Body Wash
- Neutrogena Deep Clean Facial Cleanser
- Neutrogena Deep Clean Invigorating Foaming Scrub
- Neutrogena Fresh Foaming Cleanser
- Neutrogena Fresh Foaming Scrub
- Neutrogena Healthy Skin Anti-Wrinkle Anti-Blemish Cleanser
- Neutrogena Illuminating Microderm Cleansing Pads
- Neutrogena Liquid Neutrogena Facial Cleansing Formula
- Neutrogena Oil Free Acne Stress Control Power Foam Wash
- Neutrogena Oil Free Acne Wash
- Neutrogena Oil Free Acne Wash Cream Cleanser
- Neutrogena Pore Refining Cleanser
- Neutrogena Visibly Even Foaming Cleanser
- Olay New Body Wash - Daily Purifying, Fresh Reviving
- Oxy Chill Factor Face Scrub
- Oxy Face Scrub
- PanOxyl Foaming Acne Wash (10% BPO)
- PanOxyl PanOxyl BPO (10%) Acne Wash Bars
- Pears Facial Cleanser
- Ponds Daily Exfoliating Cleanser
- Softsoap Antibacterial Plus 2-in-1 Hand Soap
- Softsoap Antibacterial Soap
- Softsoap Antibacterial Soap - Juicy Melon
- Softsoap Body Wash - Cashmere, Nutra Oil
- Softsoap Body Wash - Mango, Pomegranate
- Softsoap Body Wash - Milk Protein & Honey
- Softsoap Body Wash - Ultra Rich Shea Butter
- Softsoap Hand Soap - Aloe Vera
- Softsoap Hand Soap - Lavender & Chamomile/Aloe
- Softsoap Hand Soap - Ultra Rich Shea Butter
- St. Ives Apricot Cleanser - Renewing
- St. Ives Apricot Scrub - Blemish & Blackhead Control, Invigorating
- St. Ives Apricot Scrub - Renew & Firm
COCAMIDOPROPYL BETAINE continued

Soaps & Body Washes continued:
- St. Ives Moisturizing Body Wash - Cucumber Melon, Exfoliating Apricot, Swiss Vanilla
- St. Ives Moisturizing Body Wash - Oatmeal & Shea Butter, Whipped Silk
- Suave Cocoa & Shea Butter Moisturizing Body Wash
- Suave Naturals Moisturizing Body Wash (all types)
- White Rain Body Wash - All Day Moisturizing
- White Rain Body Wash - Energizing Citrus
- White Rain Body Wash - Ocean Mist, Water Blossom
- Zest Body Wash - Hydrating
- Zest Body Wash - Ocean Energy, Stimulating Effects

Toothpaste:
- Aquafresh Triple Protection Extreme Clean Toothpaste (all flavors)
- Colgate 2-in-1 Whitening Liquid Gel Toothpaste and Mouthwash
- Colgate 2-in-1 Whitening Tartar Control Liquid Gel Toothpaste and Mouthwash
- Colgate Flouride Toothpaste - Regular Flavor
- Colgate Kids 2-in-1 Toothpaste and Mouthwash
- Colgate Luminous Enamel Strengthening Toothpaste (all flavors)
- Colgate Max Fresh Whitening Toothpaste with Mini Breath Strips - Cool Mint Liquid
- Colgate Max Fresh Whitening Toothpaste with Mini Breath Strips: Cool Mint; Kiss Me Mint
- Colgate Max Fresh Whitening Toothpaste with Mini Breath Strips: Peppermint; Spearmint
- CVS Premium Stain Removing Toothpaste with Flouride - Fresh Mint
- Rembrantd Classic Premium Whitening Toothpaste with Flouride - Intense Stain
- Rembrantd Classic Premium Whitening Toothpaste with Flouride - Mint
- Rembrantd Classic Premium Whitening Toothpaste with Flouride and Peroxide - Fresh Mint
- Sensodyne ProNamel Toothpaste - Mint Essence
- Tom’s of Maine Natural Toothpaste for Sensitive Teeth - Wintermint
- Ultrabrite Advanced All-In-One Whitening Toothpaste - Clean Mint

For additional information about products that might contain cocamidopropyl betaine, 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.