

## NA88: Mixed Dialkyl Thioureas

### Patient Information

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Your patch test result indicates that you have a contact allergy to mixed dialkyl thioureas. 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 mixed dialkyl thioureas found?

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This substance is used in the manufacturing of rubber. It is also used as a paper coating to stave off yellowing. Products such as wet suits, blue prints, paint removers, elastic in clothing, copy paper, flame retardant clothing, footwear, gloves, glue remover, and polishes will contain mixed dialkyl thioureas.

### How can you avoid contact with mixed dialkyl thioureas?

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

- Dibutylthiourea (DBTU)
- Dimethylthiourea
- Diphenylthiourea (DPTU)
- Ethylenethiourea (ETU)
- Tetramethyl thiuram disulfide
- Thiourea
- Diethylthiourea (DTU)
- Dimethylthiourea (DMTU)
- Ethylbutylthiourea (EBTU)
- N,N-Diethylurea
- Thiocarbamide

### What are some products that may contain mixed dialkyl thioureas?

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- Household Products:
  - Silver dip
  - Jewelry cleaner
  - Tarnish remover

\*For additional information about products that might contain **mixed dialkyl thioureas**, go to the Household Product Database online ([householdproducts.nlm.nih.gov](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.