



the art and science of smart patch testing™

## **RC274: Diphenyl-p-phenylenediamine**

### **CAS#: 74-31-7**

### **Patient Information**

Your patch test result indicates that you have a contact allergy to diphenyl-p-phenylenediamine. 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 diphenyl-p-phenylenediamine found?**

This substance is used as an antioxidant and stabilizer for rubber and petroleum oils. It is also used as a retardant against copper degradation. It is found in dyes, drugs, plastics, and detergent additives.

### **How can you avoid contact with diphenyl-p-phenylenediamine?**

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

- 1,4-Benzenediamine, N,N'-diphenyl-
- 1,4-Bis(phenylamino)benzene
- 1,4-Dianilinobenzene
- 4,4'-Diphenyl-p-phenylenediamine
- 4-13-00-00116 (Beilstein Handbook Reference)
- 4-Phenylaminodiphenylamine
- AI3-14323
- AgeRite DPPD
- Altofane DIP
- Antage DP
- Antigene P
- Antioxidant H
- BRN 2215944
- CCRIS 3500
- DFFD
- DPPD
- Diafen FF
- Diphenyl-p-phenylenediamine
- EINECS 200-806-4
- Ekaland DPPD
- Flexamine G
- HSDB 2894
- JZF
- N,N'-Difenyl-p-fenylendiamin
- N,N'-Difenyl-p-fenylendiamin [Czech]
- N,N'-Diphenyl-1,4 phenylenediamine
- N,N'-Diphenyl-p-phenylenediamine
- N,N-Diphenyl-1,4-benzenediamine
- NSC 5761
- Naugard J
- Nocrac DP
- Nonflex H
- Nonox DPPD
- Permanax 18
- Permanax DPPD
- Stabilizer DPPD
- USAF GY-2
- p-Bis(phenylamino)benzene
- p-Phenylaminodiphenylamine

## What are some products that may contain diphenyl-p-phenylenediamine?

Detergents

Lubricating Oils

Plastics

Rubber Products

\*For additional information about products that might contain **diphenyl-p-phenylenediamine**, 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.