FULL TEXT LINKS

WILEY Full Text Article

Contact Dermatitis. 1996 Sep;35(3):169-72. doi: 10.1111/j.1600-0536.1996.tb02336.x.

Transient re-emergence of oil of turpentine allergy in the pottery industry

J T Lear [1], A H Heagerty, B B Tan, A G Smith, J S English

Affiliations

Affiliation

1 Department of Dermatology, Central Out-Patients, Stoke On Trent, UK.

PMID: 8930478 DOI: 10.1111/j.1600-0536.1996.tb02336.x

Abstract

Allergy to oil of turpentine has diminished largely due to the use of cheaper substitutes in many occupations. However, 2 particular areas still reliant on real oil of turpentine are those of the perfume industry and ceramic decoration. We report 24 cases of hand dermatitis in pottery workers involved in ceramic decoration, paintresses, liners, gilders, enamellers and a fine china painter, seen in a 6-month period following a change from Portuguese to Indonesian turpentine, of whom 14 were sensitive to Indonesian turpentine, 8 to alpha-pinene, 4 to delta-3-carene and 2 positive to turpentine peroxides. Previous reports suggest that delta-3-carene is the main allergen and reports of sensitivity to alpha-pinene in the absence of sensitivity to turpentine peroxide, in particular to the hydroperoxide of delta-3-carene, are few. Turpentine allergy continues to be a problem in the pottery industry and is more common than allergy to the heavy metals of the colours used in ceramic decoration. alpha-Pinene, an unusual allergen, appears to be the most common in our area. Reversion to Portuguese turpentine seems to have alleviated the problem.

Related information

MedGen
PubChem Compound (MeSH Keyword)

LinkOut - more resources

Full Text Sources

Ovid Technologies, Inc.
Wiley