

cc: Mr. W. I. Lowe
Mr. J. B. Knowles
Mr. J. A. Pomeroy
Mr. H. L. Burpo

September 8, 1954

Mr. Jesse E. Lewis
Vice President
Air-Shields, Inc.
Hatboro, Pennsylvania

Re: "Vinylite" VU-1900 Clear 01

Dear Mr. Lewis:

Your letter of September first to Mr. W. I. Lowe of the Bakelite Company, a Division of Union Carbide and Carbon Corporation, has been referred to me for answering. This "Vinylite" composition is two-thirds vinyl chloride polymer, around one-third "Flexol" Plasticizer DOP (di-2-ethylhexyl phthalate), and less than 2 per cent organic tin stabilizer. The vinyl chloride resin is extremely inert physiologically, and because of this fact it is commonly used in food packaging. The DOP is a plasticizer commonly used in such compositions also in food packaging. The organic tin stabilizer is a skin irritant in its concentrated form, but we had thirty human subjects patch tested with 1 per cent of this compound on gauze, and no sensitizations occurred.

A formulation similar to this has been used for years in "Vinylite" sheeting and, to our knowledge, has not caused any trouble in the production of dermatitis among users of the same. It is frequently used in articles of clothing, including baby pants.

We would think that the case referred to in the letter from the Premature Center, Charity Hospital of Louisiana, New Orleans, is very unusual. Of course, some individuals develop contact dermatitis to such common materials as wool, silk, wheat flour, etc.

If we may be of any further service, please do not hesitate to let us know.

Very truly yours,

MEDICAL DIRECTOR
INDUSTRIAL MEDICAL AND TOXICOLOGY DEPARTMENT

Thomas W. Hale, M. D.
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