

BAKELITE COMPANY
A DIVISION OF UNION CARBIDE AND CARBON CORPORATION

COPY

*Vinyl Resin
File*

C.D. Schuman/P.G. Magnusson
H.F. Robertson
T.W. Nale, M.D.

August 23, 1954

Mr. Byron E. Emery
Director of Chemical Control
Cutter Laboratories
Fourth and Parker
Berkeley 10, California

Dear Mr. Emery:

This will supplement our Dr. Nale's letter to you of August 16.

Attached is a copy of our specification on Bakelite Vinyl Resin VINW-5. The important point in this sheet is that VINW-5 is 96.5 - 97.5% vinyl chloride, by weight. The balance is copolymerized vinyl acetate.

Heating loss is measured in an inert atmosphere (nitrogen or CO₂) at 135°C. Whatever volatiles might be present in this resin would be driven out in the manufacture of the film since the processing temperatures exceed 135°C.

Based on emission spectrographic analysis, VINW-5 is found to be essentially free of heavy metals.

We hope this answers the questions raised in the second last paragraph of your letter of July 28.

Very truly yours,

ORIGINAL SIGNED BY

J. F. LANG
J. F. Lang

New Product Engineering Department

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INDUSTRIAL MEDICAL &
TOXICOLOGY DEPARTMENT

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August 16, 1954

Mr. Byron E. Emery
Director of Chemical Control
Cutter Laboratories
Fourth and Parker
Berkeley 10, California

Re: VYNW-5

Dear Mr. Emery:

Your letter to the Bakelite Company has been referred to me for answering. I shall endeavor to comment on the toxicity of this resin and shall refer your letter to Mr. H. F. Robertson for the information you request in the next to the last paragraph. I wrote to you on August fourth regarding "Flexol" plasticizer DOP-20.

We have not done much toxicity work on these resins because they are insoluble and because they are very inert physiologically. The Food and Drug Administration has voiced no objection to the use of this resin in food packaging, nor have they voiced any objection to its use in plastic bags such as the containers you are studying. Resin VYNW-5 is a copolymer of polyvinyl chloride and polyvinyl acetate, also known as polyvinyl chloride-acetate.

I trust that this information will prove helpful.

Very truly yours,

MEDICAL DIRECTOR
INDUSTRIAL MEDICAL AND TOXICOLOGY DEPARTMENT

Thos. W. Hale, M. D.
mt

Blind copy to Mr. H. F. Robertson

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