

Vinyl Resins

cc: Mr. R. D. Swain
Mr. E. G. Schwab
Mr. G. A. Wells
Mr. H. F. Robertson

April 10, 1956

Mr. William Rainer
Crown Cork and Seal Company
1200 Newkirk Road
Baltimore, Maryland

Re: "Bakelite" QYHV Resin

Dear Mr. Rainer:

Mr. R. D. Swain of our Bakelite Company has requested that we write to you regarding this resin. We find that we wrote to you on July 20, 1955 on this subject, and a copy of our letter is enclosed.

In your proposed application and usage in which QYHV is used as a crown liner, a very small amount of resin would be present in each liner so that any chance of extractable materials from such a liner would be extremely small.

Very truly yours,

MEDICAL DIRECTOR

Thomas W. Hale, M. D.
rs
Enclosure

UCC
063249

COPY

COPY

July 20, 1955

Mr. William Rainer
Crown Cork and Seal Company
1200 Newkirk Road
Baltimore, Maryland

Re: "Bakelite" QYHV Resin

Dear Mr. Rainer:

This resin is for all practical purposes 100 per cent polyvinyl chloride resin. Dr. A. J. Lehman of the United States Food and Drug Administration has stated that polyvinyl chloride, polyvinyl acetate, and polyvinyl chloride-acetate are so insoluble as a class that the chances of contamination by the solvent action of foods are rather slight, and they are considered suitable for food packaging. This statement appeared in an article published in the ASSOCIATION OF FOOD AND DRUG OFFICIALS OF THE UNITED STATES QUARTERLY BULLETIN, Volume 15, Number 3, July, 1951. This statement, in itself, indicates to us that these materials have a very low order of toxicity. Of course, in the manufacture of plastisols, the other components of the formulation, such as the plasticizers, stabilizers, and dyes or pigments utilized, must be considered.

We hope the above information will be helpful to you. If we may be of further service, do not hesitate to let us know.

Very truly yours,

/s/ Thomas W. Hale, M. D.

MEDICAL DIRECTOR
INDUSTRIAL MEDICAL AND TOXICOLOGY DEPARTMENT
Thomas W. Hale, M. D.
TS

UCC
063250

EXTRA

BAKELITE COMPANY
A DIVISION OF UNION CARBIDE AND CARBON CORPORATION RECEIVED
REPORT OF CALL

DIVISION
NO.

MAR 26 1956

H. E. ROBERTSON

BY Robert J. Smith

DATE OF CALL 3/20/56

LAST CALL 2/8/56

CONFIDENTIAL

SALES BULLETIN

NAME Crown Cork & Seal

1200 Bankirk Rd.

ADDRESS Baltimore, Md.

INTERVIEWED (GIVE TITLE) Mr. Wm. Rainer - Coatings Res.

CHANGES IN PERSONNEL

DISPOSITION LAST 3 COPIES

Mr. E. G. Schaub - Phila.

Mr. O. A. Wells - P. E. 41

Mr. H. Robertson - N. Y. C.

Plastisol

Confirmed the fact that subject is compounding own plastisol for crown liners. Current dispersion resin requirements are small primarily because Fabst is their only current customer for this type lining. The plastisol lined crowns have been discriminately offered to selected customers for their evaluation. Rainer extremely impressed with the manner in which plastisol liner lends itself to the high speed production, which is of paramount importance to this industry. In the last call report the writer mentioned a 40,000 pound per month resin requirement by end of 1956. A more realistic estimate for this period would be 5,000 pounds per month. Subject's formulation for plastisol liner will be altered in accordance with the type of product to be packaged or capped. With this in mind, Rainer believes a Bakelite resin requirement of 23,000 pounds per month will exist by the end of 1957. Discussed our current critical production rate and stressed that we were desirous of providing them resin to meet their current monthly requirements and could not guarantee any increased quantity over the next two year period. By 1960 Rainer expects to be using approximately 6,000,000 pounds per year of dispersion resin.

Rainer still interested in low fusing type resin like VYCN. He has received sample of blend 112. Discussed our laboratory data indicative of improved viscosity stability. Blend has not been evaluated to date.

Att'n. Mr. Schaub

Their search for a polyethylene resin for crown liners has been currently shelved in favor of additional development work on plastisol type liner. They have received sample of NYND for a hot melt evaluation. Suspect that the polyethylene program will be stepped up during the latter part of this year. Suggest we make joint call at that time. Meanwhile suggest a 10 pound sample of NYND-400 be sent to the attention of Mr. Wm. Rainer together with any information you may have on its physical properties.

Att'n. Mr. H. Robertson

Mr. Wm. Rainer at above address interested in receiving our comments on the toxicological effects of our GVN type resin. Rainer is employing inert pigments

emulsion - polymeric vinyl chloride
→ 2 YNV

UCC

063251

EXTRA

BAKELITE COMPANY
A DIVISION OF UNION CARBIDE AND CARBON CORPORATION

REPORT OF CALL

DIVISION
NO.

54

NAME Crown Cork & Seal Co.BY Robert D. Swain

ADDRESS _____

DATE OF CALL _____

INTERVIEWED (GIVE TITLE) _____

LAST CALL _____

CONFIDENTIAL _____

SALES BULLETIN _____

CHANGES IN PERSONNEL _____

DISPOSITION LAST 3 COPIES _____

- Page 2 -

and stabilizers and plasticizers that meet with FDA requirements. He will welcome comments regarding the toxicity of or the FDA approval of subject dispersion resin.

General

The current plastisol liner on the Pabst quart beer can is based on Bakelite QNV together with a competitive material. The QNV comprises approximately 40% of the resin content. Each can is lined with approximately 300 milligrams plastisol.

Subject company will be installing complete coating laboratory facilities for their research personnel.

Robert D. Swain

RDS/dms

Rec'd 3/22/56
Typed 3/23/56

RECEIVED

APR 9 1956

INDUSTRIAL MEDICAL &
TOXICOLOGY DEPARTMENTUCC
063252

Vinyl Resins

blind copy to Mr. C. S. Shoemaker
Mr. H. F. Robertson

July 20, 1955

Mr. William Rainer
Crown Cork and Seal Company
1200 Newkirk Road
Baltimore, Maryland

Re: "Bakelite" QYNV Resin

Dear Mr. Rainer:

This resin is for all practical purposes 100 per cent polyvinyl chloride resin. Dr. A. J. Lehman of the United States Food and Drug Administration has stated that polyvinyl chloride, polyvinyl acetate, and polyvinyl chloride-acetate are so insoluble as a class that the chances of contamination by the solvent action of foods are rather slight, and they are considered suitable for food packaging. This statement appeared in an article published in the ASSOCIATION OF FOOD AND DRUG OFFICIALS OF THE UNITED STATES QUARTERLY BULLETIN, Volume 15, Number 3, July, 1951. This statement, in itself, indicates to us that these materials have a very low order of toxicity. Of course, in the manufacture of plastisols, the other components of the formulation, such as the plasticizers, stabilizers, and dyes or pigments utilized, must be considered.

We hope the above information will be helpful to you. If we may be of further service, do not hesitate to let us know.

Very truly yours,

MEDICAL DIRECTOR
INDUSTRIAL MEDICAL AND TOXICOLOGY DEPARTMENT
Thomas W. Hale, M. D.
rs

UCC
063253

FOR INTERNAL CORRESPONDENCE

BAKELITE COMPANY

UCC

117 SOUTH 17th STREET, PHILADELPHIA 3, PENNSYLVANIA

To (Name)

Mr. T. W. Nale - 203

Date

July 19, 1955

Company

Bakelite Company

Originating Dept. Philadelphia Sales

Location

300 Madison
New York, N. Y.

Answering letter date

Copy to

Subject

Crown Cork & Seal Co.
Baltimore, Maryland

Subject concern are interested in receiving a letter regarding the order of toxicity of our dispersion type resin, QYNV. Subject concern plans to use the QYNV as a gasket in crowns which will be subsequently used on Coca-Cola bottles, other various soda water bottles and beer cans. Obviously they are concerned with the possible toxicity of our polyvinyl chloride resin QYNV, thus I suggest you write a letter directed to Mr. William Rainer of Crown Cork & Seal, 1200 Newkirk Road, Baltimore, Maryland. Other information pertaining to this problem will be supplied upon request.

C. S. Shoemaker

C. S. Shoemaker

CSE/dmb

RECEIVED

JUL 20 1955

INDUSTRIAL MEDICAL &
TOXICOLOGY DEPARTMENTUCC
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