

B. F. GOODRICH CHEMICAL COMPANY

A DIVISION OF THE B. F. GOODRICH COMPANY
ROSE BUILDING CLEVELAND 15, OHIO 2060 EAST NINTH ST.

November 16, 1951

Dr. William E. McCormick
Department of Industrial Hygiene
and Toxicology
The B. F. Goodrich Company
Akron, Ohio

Subject: B.A.I. Approval of Geon Resin 101 EP

Dear Dr. McCormick:

I would like to congratulate you on the speed with which you obtained acceptance of Geon Resin 200X20 for food packaging applications.

As you no doubt know, we have been trying to do the same thing on our Geon Resin 101 EP, but so far have not received approval. I think that we were incorrect in attempting to handle this matter direct, and that we should have asked you to make the contacts in the first place. Now I am wondering whether you would be willing to carry on from here and attempt to get Geon Resin 101 EP accepted.

Enclosed with this letter are copies of all of the correspondence which has gone on heretofore on this subject.

Very truly yours,

Clyde D. Segner

Clyde D. Segner,
Technical Staff Representative
Plastic Materials

CDS/sc

✓Attachments

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C O P Y
**INTER-ORGANIZATION
CORRESPONDENCE**

To G. E. Field Date October 31, 1951
Attention _____ From CHA-484-51
Re Letter _____ Subject Toxicity of Geon Resin 200X20

Attached is copy of a letter from Mr. R. M. Mehurin, Chief of the Laboratory Section, Meat Inspection Division, U.S.D.A., in which he has given approval to a film based on 200X20 to be used for packaging meat and meat food products.

This approval came with surprisingly little delay, and would suggest the desirability of going through Dr. McCormick for future approvals.

C. H. ALEXANDER (signed)

C. H. Alexander

ls

c.c. C. D. Segner

c by sc

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Make Reply To _____

USE THE BACK OF THIS SHEET FOR YOUR REPLY IF POSSIBLE

FORM 4956 12-23-40 LITHO. IN U. S. A.

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October 5, 1951

United States Department of Agriculture
Agricultural Research Administration
Bureau of Animal Industry
Washington 25, D. C.

Att: Dr. R. M. Mehurin, Chief
Laboratory Section
Meat Inspection Division

Your Reference - YLY.

Dear Dr. Mehurin:

This letter is in reply to your letter of September 28, 1951 and concerns information needed to determine the acceptability of Geon Resin 101 EP in a packaging material.

In answer to your specific question, the glue used is an animal glue.

We should have specified the type of glue in our earlier letter, and want to thank you for your patience and cooperation in this matter.

Yours very truly,

Clyde D. Segner,
Technical Staff Representative
Plastic Materials

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UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Administration
Bureau of Animal Industry
Washington 25, D. C.

Address reply to
"Chief of Bur. of Animal Ind."
And refer to

YLY-

September 28, 1951

Mr. Clyde D. Segner
B. F. Goodrich Chemical Company
Rose Building
2060 East Ninth Street
Cleveland 15, Ohio

Dear Mr. Segner:

Reference is made to your letter of September 5 and previous correspondence regarding the composition of your Geon Resin 101 EP.

Please furnish this office with more definite information about the glue which is used as an emulsifier in producing the resin. We are particularly interested in knowing whether it is synthetic or is of animal, fish or vegetable origin. The benzoyl peroxide does not appear to be objectionable.

Very truly yours,

R. M. MEHURIN (signed)

R. M. Mehurin, Chief
Laboratory Section
Meat Inspection Division

c by sc

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September 5, 1951

Chief of Bureau of Animal Industry
U. S. Department of Agriculture
Washington 25, D. C.

Attention: Dr. R. M. Mehurin, Chief
Laboratory Section
Meat Inspection Division

Your Reference: YLY-

Dear Dr. Mehurin:

This will acknowledge your letter of August 31, 1951
written in response to our letter of August 22, 1951.

In writing the original letter outlining the composition of Geon Resin 101 EP, the statement was made that the additives in Geon 101 EP were the same as those in Geon Resin 202. In making the statement, the writer was under the impression that you knew the additives used in Geon Resin 202.

The additives used in producing the polyvinyl chloride, Geon Resin 101 EP and the vinyl chloride-vinylidene chloride copolymer, Geon Resin 202 are a benzoyl peroxide type catalyst and glue as an emulsifier. These additives are substantially removed by washing in the final processing of the resins.

We regret this oversight in our first letter, and hope that the above information will enable you to complete your records.

Yours very truly,

Clyde D. Segner,
Technical Staff Representative
Plastic Materials

CDS/sc

c by sc

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UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Administration
Bureau of Animal Industry
Washington 25, D.C.

Address reply to
"Chief of Bur. of Animal Industry"
And refer to

YLY-

August 31, 1951

Mr. Clyde D. Segner
B. F. Goodrich Chemical Company
Rose Building
2060 East Ninth Street
Cleveland 15, Ohio

Dear Mr. Segner:

This refers to your letter of August 22 in which you furnish us with a statement of the composition of your Geon Resin 101 EP.

You state that the composition of Geon Resin 101 EP is a polyvinyl chloride plus the same additives that are used in your Geon Resin 202. Our records indicate that Geon Resin 202 is a copolymer of vinyl chloride and vinylidene chloride but we have no record of any additives in this resin. We would appreciate receiving, from you, information concerning the exact composition of your Geon Resin 101 EP and also whether or not our records are correct concerning the present composition of the Geon Resin 202.

Very truly yours,

R. M. MEHURIN (signed)

R. M. Mehurin, Chief
Laboratory Section
Meat Inspection Division

c by sc

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August 22, 1951

VIA AIR MAIL

Mr. R. M. Mehurin, Chief
Laboratory Section, Meat Inspection Div'n
United States Department of Agriculture
Agricultural Research Administration
Bureau of Animal Industry
Washington 25, D. C.

Dear Mr. Mehurin:

We understand that you have been requested to approve a packaging material that will contain Geon Resin 101 EP. We are therefore listing below the facts concerning Geon Resin 101 EP which we believe to be pertinent to your decision.

Geon 101 EP is a polyvinyl chloride with no monomers other than vinyl chloride used in its manufacture. The additives, used to control polymerization of Geon Resin 101 EP, are exactly the same as those used in Geon Resin 202, which has already been reported to you and approved by you.

The additives used in Geon 101 EP are in smaller proportions than in the Geon 202. A comparison of control tests on percent ash content will further confirm this point. The average % ash of Geon 101 EP is .028%. The average % ash of Geon Resin 202 is .053%. The figures listed are average production data over the same 4-month production period.

Lead or lead-containing materials are not used in Geon Resin 101 EP. Furthermore, no lead equipment is used. Stainless steel equipment is used in the manufacture of Geon Resin 101 EP. Any microscopic traces of lead in Geon Resin 101 EP can come only through contamination.

The following data indicates the lead analysis on 23 samples of Geon Resin 101 EP, as determined by Spectro-Chemical Research Laboratories, Incorporated, 3313 West Lawrence Avenue, Chicago, Illinois.

(continued)

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