CC for

G. Blankfard - Cleveland
T. P. Norris
J. W. Rawlings
King City - File
Niagara Falls - File

UNION CARBIDE CORPORATION

P.O. Box 579 Niagara Falls, N.Y. 14302

RECEIVED
DEC 20 1972
UCC - CALIDRIA
KING CITY, CAL.

G. Blankfard,
B. L. Ingalls and
By J. L. Myers

Date 11/30/71

PLAINTIFF'S EXHIBIT
tabbies
UC-689

Full Name Glidden-Durkee Cleveland, Ohio **Address** **Mfrs. of**	**Interviewed** Charles Dunn - Mkt. Mgr. Polyesters Herb Holkesvig - Prod. Mgr. Polyesters Bob Lottig - Tech. R&D Jack Canning - Supv. Polyester R&D

OBJECTIVE

This meeting was made at the request of Messrs. Charles Dunn and Jack Canning for the purpose of discussing the toxicological aspects of our CALIDRIA asbestos products and their safe handling.

OBSERVATIONS

We first met with Mr. Dunn and Mr. Holkesvig at their Corporate headquarters in downtown Cleveland. Mr. Dunn opened the meeting by saying that they (Glidden) were well aware that much of the hysteria associated with the toxic properties of asbestos promoted by the news media et al. was, in fact, nothing more than that "hysteria." Nevertheless, it was their responsibility and obligation to both personnel of Glidden-Durkee and their customers to assure themselves on the position of asbestos and the safe handling of the product in their applications. He personally wanted to be prepared for any questions that might arise either by their production people or union, etc. With this in mind he went on to say that to date the only information that Carbide has furnished him with regard to this subject in print is our Asbestos Toxicology report and some information concerning methods and equipment for determining dust levels. He said that our Asbestos Toxicology report he found atrocious and rather than answering questions actually posed them. He felt that should such a report fall into the hands of their production people, it would cause considerable concern to say the least. Exemplfying his point he noted that we make reference only to crocidolite and yet neglect to identify our own asbestos which is chrysotile. This obviously on the basis of the report would be to our favor. He also felt that we should be more specific in our recommendations for safe practice.

For the next hour or so we discussed various aspects concerning the toxicologic properties of asbestos including the handling of in application, liabilities, medical and legal ramification as we interpret them at the present time. In general both Messrs. Dunn and Holkesvig seem satisfied with our answers and we promised them a copy of our asbestos safety information package as soon as it was available.

Later in the day we met with Bob Lottig and Jack Canning of Glidden's Research and Development group. Again the major topic of discussion was toxicology. Mr. Canning's approach to the subject was somewhat less subtle and more indicative of a frontal attack. He was particularly concerned with product liability and the position that the Federal agencies may or may not take in the future concerning asbestos, specifically OHSA and the EPA. It may be coincidental, however, Mr. Canning is a recent employee of Glidden-Durkee and previous to his joining them a few months ago worked for PPG Industries' R & D in Pittsburgh. His attitude and line of questioning bore considerable resemblance to the objections put forth by Mr. Dennis Bridge of PPG's Environmental Health Committee. On the basis of Mr. Canning's questions, it would not be unreasonable to assume that he has been in communication with PPG recently. Again we reiterated much of which was said at the earlier meeting in the morning. It would be presumptous to say that Mr. Canning was satisfied with our discussion of the subject; however, as he so ably put it, "if Management is satisfied with our explanations that is all that is necessary." Personally, I think that Mr. Canning bears close attention.

We also discussed briefly some of our latest laboratory results with RG-244 in a Glidden-Durkee resin system and they appeared satisfied with the data. We also discussed the use of non-ionic surfactants, specifically Tween 60 in iso-resin systems. Mr. Canning was immediately interested in any data that we might have along this line. We are currently planning another laboratory study on one of their iso-resin systems and we promised them a comprehensive report upon its completion. Mr. Canning seemed extremely pleased and this may afford an opportunity to win his confidence.

RECOMMENDED ACTION

GB/BLI - Maintain frequent contact with Mr. Canning and Mr. Dunn.

BLI - Initiate RG-244 iso-resin study ASAP and report back to Canning.

JLM - I apologize for continually bugging you on this subject; however, I think these meetings further exemplfy the importance and need of a white paper information package on this subject of toxicity as soon as possible.

Typed 12/10/71
bsn

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T. P. Norris
J. W. Rawlings
King City - File
Niagara Falls - File

Carbon Asbestos

UNION CARBIDE CORPORATION

P.O. Box 579 Niagara Falls, N.Y. 14302

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By G. G. Blankfard

Date 11/17/71

Full Name Glidden Address Cleveland Mfrs. of	Interviewed Jack Canning

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I have to say that I agree with their logic. I heartily recommend our putting together as strong a story as we can on the subject.

11/19/71 A meeting has been scheduled for last week of Nov.

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Calidria ASBESTOS

JUL 22 1973
UCC - CALIDRIA
KING CITY, CA.

for T. P. Norris
W. C. Thurber
J. E. Walsh
KC-File
NF-File
H. B. Rhodes
J. L. Myers
G. L. Dickson
R. E. Byrne, Jr.

UNION CARBIDE CORPORATION
P.O. Box 579 Niagara Falls, N.Y. 14302

By B. L. Ingalls

Date 6/14/73

Full Name Glidden-Durkee Cleveland, Ohio Address Mfrs. of	Interviewed Dick Haviland, Asst. Dir. Mfg. (Telecon)

I called Mr. Haviland pursuant to our recent meeting with Glidden-Durkee concerning the health and new regulatory issues regarding asbestos. Mr. Haviland and I engaged in a rather lengthy conversation which can be summarized quite briefly - Glidden-Durkee's position regarding asbestos is currently the same as prior to our meeting, that is, G-D is presently trying to eliminate asbestos, talc, and apparently one or two other raw materials that are coming under stringent federal regulations or scrutiny.

Mr. Haviland appeared sympathetic but nonetheless adamant in attitude. Presently, there are still one or two Glidden-Durkee locations that are still using RG-244; however, this appears to be in conflict with present corporate edict. According to Haviland, G-D has only acquired an industrial hygienist in the last year and their position with regard to health and safety is somewhat less than sophisticated. Furthermore, the attitude of corporate administrators is archaic with regard to expenditures in this area of endeavor and the general reaction has been to eliminate rather than attempt compliance measures with regard to new regulations.

The reason for RG-244 still being used is probably due to the proprietary nature of the formulations and the function that it serves, nevertheless, it retains for us a foothold within their production facilities. It is obvious by Mr. Haviland's comments and the general reaction within the G-D organization that RG-244 does, in their opinion, serve a definite and worthwhile function, but the regulations demand more trouble than the product is worth. This attitude is not at all difficult to understand. Glidden-Durkee, like many paint companies, has over the last three or four years been forced to make numerous reformulations in their paint systems in order to comply with the new environmental laws regarding solvents, etc. and, of course, the mercury and lead regulations have also required complete reformulation of many products. According to Haviland, Glidden-Durkee has over the last three years been doing almost nothing in research other than reformulating and it is obvious that they do not intend to get burned again.

RECOMMENDED ACTION

BLI Maintain periodic followup with Haviland and others at Glidden-Durkee.

Typed 6/19/73
cjb

CC for
A. J. Moore
R. E. Byrne
T. P. Norris
R. J. Quinn
J. W. Rawlings
J. W. Ross
KC-File
NF-File

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DEC 30 1971
UCC - CALIDRIA
KING CITY, CA.

UNION CARBIDE CORPORATION

P.O. Box 579 Niagara Falls, N.Y. 14302

By H. B. Rhodes

Date 12/13/71

Full Name	Glidden-Durkee Division of SCM Corp.	**Interviewed**
Address	Coatings and Resins Group 1065 Glidden Street, NW Atlanta, GA 30319	Mr. Jim W. Watson - Technical Dir Mr. Fred Connell - Dir. of Purcha:
Mfrs. of	Tele: 404-365-4760	

OBJECTIVE

Follow up on recent 200 pound RG-244 sales in October and Novembe

OBSERVATIONS

After some confusion it was determined that the RG-244 was for use in a gel coat formulation developed by their Minneapolis (Little Falls) location for Larson Boat, in Minneapolis. The Larson yard in Atlanta had order the same material by formulation number and Glidden had make it as per the borrowed formulation. The Carrolton, Texas order is almost certainly for Larson in Texas.

It was ascertained that these two (Atlanta and Minneapolis) Glidden locations use the same equipment and a detailed manufacturing procedure. The RG-244 is ground into the batch by the usual procedure and the final product is not screened. (Too thick.) Two small lots have been made and sent to Larson without complaints. Considering our known problems and lack of real background in gel coats and isoresins, I chose not to rock the boat with any warnings or suggestions.

It should also be noted that Larson uses Venus Guns with fine tips and 100 mesh screens. They got in a big mess about 8-10 months ago with an Alpha gel coat made in Collierville containing about 1.5-2% RG-244. They made Alpha promise never to send them 244 containing resin again. Since Larson apparently has already tried the material the only course of action I can see is to sit tight and see what develops.

We also discussed the formulation latitude at this Glidden location. They can make some modest adjustments using approved raw materials within some fairly closely defined limits. He cannot experiment with RG-244 on his own and was in agreement that we were working with the right people in their home office.

Also, in view of the toxicology discussions we have been having with their Cleveland people, I took the opportunity to provide some background and reassurances. He did not even realize Calidria was asbestos!

Atlanta, GA

Met briefly with Mr. Connell to pay respects and thank him for setting up the meeting. Also mentioned the cost saving of pallet size purchases verses 200 pounds.

RECOMMENDED ACTION

J. W. Ross - Check re RG-244 during regular calls.

Typed 12/22/71
/cb

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A. J. Moore
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CALIDRIA

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Carbide and Asbestos

UNION CARBIDE CORPORATION

P.O. Box 579 Niagara Falls, N.Y. 14302

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