CC for

R. T. Larkin
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
AUG 3 1971
UCC - CALIDRIA
KING CITY, CA.

PLAINTIFF'S EXHIBIT
UC-545

By B. L. Ingalls

Date 7/19/71

Full Name General Electric Co. Pittsfield, Mass. **Address** 413-445-5576 **Mfrs. of**	**Interviewed** Dr. Paff - Asst. Medical Director

OBJECTIVE

Dr. Paff attended a meeting at Hooker, Grand Island, N.Y. a month ago to discuss the toxicological hazards of Union Carbide's products and asbestos was brought up at that time. Subsequent to that meeting I talked with Dr. Paff by phone informing him of our pelletized product which he indicated considerable interest. Samples were sent of Standard Grade 100 pellets.

OBSERVATIONS

Dr. Paff had received the sample of SG-100 pellets; however, he had not had an opportunity to discuss the product with any of their Engineering people. He intends to do so within the next two weeks. He was obviously impressed by the product; however, did have some questions about the amount of fines in the bottom of the package. I pointed out that there are some fines as a result of shipping; however, they are of a much higher density than the typical asbestos powder open product and should not constitute anywhere near the same magnitude of dusting problem. He seemed satisfied with this at the present. He informed me that they use considerable quantities, he did not know the exact figure, of asbestos in their phenolic molding compounds. Their present production facilities constitute what they feel in the Medical Department as being a potential hazard. The idea of the pelletized product appeals very much to them and if the material can be utilized in the pelletized form without incurring excessive costs, there should be some evaluations performed in the not too distant future.

In Dr. Paff's opinion, chrysotile asbestos does offer potential hazards both from asbestoses and cancer. He does not feel that there is any concrete correlation between chrysotile and mesothelioma; however, there are definite correlations as far as he is concerned with lung cancer. He went on to say that in his opinion much of the concern and furrow over asbestos today is more due to panic and sensationalism than to fact. His opinion of Dr. Selikoff appears to be quite low according to his comments. All in all our meeting was very general and low key. Dr. Paff

has definite plans to have the material evaluated and will be contacting me as to the proper people to talk to in their Engineering Department concerning the application of the material and our recommendations.

RECOMMENDED ACTION

BLI - Follow up within 2 weeks.

Typed 8/3/71
bsn

Calidria ASBESTOS

CC: J. E. Lenahan
T. P. Norris
R. L. Schult
W. C. Thurber
J. E. Walsh
KC-File
NF-File
R. E. Byrne, Jr.

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

By E. J. Kleber

Date 10/23/75

Full Name General Electric Louisville, KY Address Mfrs. of	Interviewed Marvin Wilson (Telecon) (502) 452-4991

Mr. Wilson called for information regarding RG-600. He had spoken with H. B. Rhodes earlier in the week and we had sent him the standard RG-600 literature.

Marvin wanted to know if we could supply G.E. with between 150,000 and 300,000 pounds of RG-600 during 1976. I assured him that we could and he noted that there is probably that much potential and they did not want to look at our material unless we could supply. He was obviously aware that we are currently in a pilot plant operation status.

Basically, they are interested in reinforcing polypropylene with ~30% RG-600. At this time they are leaning towards the idea of having the material made up by a compounder and doing the forming themselves. I mentioned that one compounder I knew of was A. Schulman, Inc., Akron, Ohio. He was familiar with them and asked for a list of others that would be willing to compound with RG-600.

No conversation would be complete these days without a discussion of health hazards. I mentioned that if all G.E. was going to do was form the sheet, they certainly had no handling problems, since the only dust generation I could see would be at the compounders. Marvin asked if we would be willing to help him out by discussing the handling of this material with his management. I pledged our full support.

Seemingly satisfied by our information, Marvin asked for 30 pounds to run a lab-size trial. He would like a call from our RG-600 expert to discuss their plans in a little more detail.

RECOMMENDED ACTION

RECEIVED
OCT 28 1975
UCC - CALIDRIA
CITY, CA.

EJK Send bag sample. (Done 10/23/75)

" Follow up in a couple of weeks.

REB Please give Marvin a jingle at your earliest convenience.

" Can you get me a list of compounders willing to work with RG-600?

Typed 10/24/75
cjb

CUSTOMER CALL REPORT

CUSTOMER & LOCATION General Electric Appliance Park, Louisville, KY

INDUSTRY CLASSIFICATION

SALESMAN Edward J. Kleber with F. H. Ancker & J. L. Myers

REGION Midwest

DATE OF CALL 11/13/75

PRODUCTS DISCUSSED:

Cr	Mn	Spec.	Si	CaC_2	W	V	Asb.
☐	☐	☐	☐	☐	☐	☐	X

Other:

PERSONS INTERVIEWED: Marvin Wilson - Plastics Application Eng.
Ed Conners - Mgr. Environmental Protection
Maury Clay - Mgr. Industrial Hygiene
Ralph Hagen - Mgr. Plastics Application
+ 15

CALL OBJECTIVE:

Conduct RG-600 seminar for G.E.

RESULTS OF CALL: Marvin Wilson recently tried some RG-600 in their laboratory and was so impressed that he thought a seminar would be a good way to acquaint G.E. personnel with our products from a technical standpoint and, of course, he suggested we give them a talk on the hazards of using asbestos.

John Myers gave a detailed description of the current OSHA situation, as well as a brief look at the "Calidria" asbestos story.

Fred Ancker took it from there and extolled the many virtues of RG-600.

The most ground was covered after the meeting, with the above mentioned people. Marvin Wilson detailed the kind of immediate potential we have here. Fred Ancker will report the breakdowns but it totals out to about 1,000,000 lbs. of RG-600 per year. The technical and production people are very excited because G.E. has experienced terrible quality control problems and RG-600 may be able to help.

Our big problem here is going to be getting their medical department to go along with the use of asbestos. They feel that any fiber concentration above 0.1 fibers/cc means that they have to administer medical exams, a step they are not willing to take. We can only hope that technical and production will put enormous pressure on the medical department to get them to relent.

Continued - Page 2

FOLLOW-UP ACTION REQUIRED:

EJK - Keep after Marvin.

" - Send copies of John Myers SPE paper to Clay and Connors.

COPIES TO: Gen'l. Sales Mgr. (2); Mktg. Services; Others: R. L. Schult J.E.Lenahan

TPN:WCT:JEW:KC-FILE/NF-FILE:FHA

Typed: 11/21/75 cjb

RESULTS OF CALL - continued:

To summarize, G.E. is very anxious to try RG-600; our problem is going to be selling the idea to the medical department. Appliance park is huge (employing about 17,000 people) and it certainly could be worth a large piece of business to us. We need to keep the pressure on.

UNION CARBIDE CORPORATION • METALS DIVISION • P. O. BOX 579 • NIAGARA FALLS, N.Y. 14302 • TEL: 716-278-3376

February 18, 1976

Dr. J. Merle Nielsen
Materials Engineer
Materials Information Services
Corporate Research & Development
General Electric Company
Building 36-437
Schenectady, NY 12345

Dear Dr. Nielsen:

As promised during our discussions at the SPI convention in Washington, a copy of "Detection of Chrysotile Asbestos in Airborne Dust From Thermosetting Resin Grinding" is enclosed. This paper sets forth methods for differentiating between free and encapsulated chrysotile fibers during grinding and gives typical dust count numbers for these operations.

If you have any questions or comments, please do not hesitate to contact us.

Very truly yours,

Edward J. Kleber
Sales Representative

EJK:cjb
Enclosure

Blind Note to GLD: Just academic interest, no need to follow up.

E.J.K.

CUSTOMER & LOCATION General Electric Company Louisville, KY

INDUSTRY CLASSIFICATION Appliances

SALESMAN Edward J. Kleber REGION Midwest DATE OF CALL 3/13/79

ASBESTOS HEALTH & REGULATORY DOCUMENTS PROVIDED:

- ☐ MSDS
- ☐ Health & OSHA Information Blue Book
- ☐ Dust Count Report
- ☐ Other, specify below

PERSONS INTERVIEWED: Charles Mulligan - Product Manager, Plastics

CALL OBJECTIVE: Respond to customer inquiry

RESULTS OF CALL:

Charlie is interested in looking at our products in granular phenolic compounds as well as epoxy and polyester potting compounds. We broke the discussion down to two products, SG-200 for phenolics and RG-244 for the potting compounds. They currently use Walastonite in their phenolics and are not especially impressed with it. Charles remembers "the good old days" when GE used asbestos in their phenolics and found it to work very well. He's looking for a material that will supply him the good physicals that asbestos once did. I mentioned SG-200 and threw in the zinger that our asbestos is even cleaner than the Canadian asbestos they used to use. I said this manifested itself mainly in better electrical properties, and that really got his attention. He said he would try some laboratory batches with SG-200 and I had to stop him there. Their laboratory batches are run on a Hobart mixer, which I told him probably would not provide the shear needed to break up the SG-200 pellets. He then agreed to look at SG-210, but told me that the pellets were a better idea when they get into production since they do use a twin screw extruder. I agreed.

We then discussed RG-244 in their potting compounds. Charlie said they do use a lot of Cab-O-Sil, but frankly, don't like it. He asked for a sample of RG-244 to try in his lab and I agreed to send him one.

(OVER)

FOLLOW-UP ACTION REQUIRED:

EJK - Probably a million-to-one shot, but worth it. Send Charlie samples of SG-210 and RG-244.

COPIES TO: JRL:TPN:JEW:KC-FILE:NF-FILE NF PERMANENT FILE ☐

dal 3/20/79