

Mr. Heinz Eiersma, HPF-440

March 31, 1975

RE

Epidemiology Unit, HPF-108

Asbestos Minerals in Cosmetic Talc

I had the opportunity to visit with Professor Selikoff, in New York on Friday, March 21st, 1975. During this time, part of the discussion dealt with the identification of asbestos minerals in talc. The minerals of concern were: chrysotile, tremolite and anthophyllite. It was my understanding that by talc was meant cosmetic talc only, the samples being obtained over the counter at the retail level. It also was my understanding that while most of the samples were from the United States, there were several from Great Britain.

Their Laboratory is using step-scanning electron microscopy for quantification. They are now, with this technique, well below 1% sensitivity for chrysotile and tremolite, and at about 1% for anthophyllite.

Several British samples showed asbestos, more than reported by Fred Poolley at his seminar here. It should be noted that Poolley's samples were taken at the import source, not at the retail level. In addition, the sensitivity of method in Professor Selikoff's survey was greater than in the study done by Dr. Poolley a few years ago. The two data bases, therefore, are not incompatible.

According to Professor Selikoff, some of the American samples also contained asbestos. We did not go into details as this is an ongoing survey.

Professor Selikoff did note that chrysotile, with their analytical techniques, has been found in some cosmetic talc. He stated that they are there because the chrysotile was in the rock beds from which the talc was obtained.

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9/21/72
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<u>product</u>	<u>Mineral Composition</u>						
	<u>Talc</u>	<u>Chlorite</u>	<u>Phlogopite</u>	<u>Q-Quartz</u>	<u>Dolomite</u>	<u>Tremolite</u>	<u>Chrysotil</u>
13	75%	15%	n.d.	3%	7%	n.d.	n.d.
14	53%	40%	n.d.	3%	4%	n.d.	n.d.
15	53%	40%	n.d.	3%	4%	n.d.	n.d.
16	53%	40%	n.d.	3%	4%	n.d.	n.d.
17	42%	35%	n.d.	15%	4%	2%	2%
18	53%	40%	n.d.	3%	4%	n.d.	n.d.
19	49%	40%	n.d.	6%	5%	n.d.	n.d.
20	46%	40%	n.d.	8%	4%	n.d.	2%
21	87%	8%	2%	n.d.	3%	n.d.	n.d.
22	56%	35%	n.d.	5%	4%	n.d.	n.d.
23	51%	40%	n.d.	3%	4%	n.d.	2%
24	54%	40%	n.d.	3%	3%	n.d.	n.d.
25	55%	40%	n.d.	2%	3%	n.d.	n.d.
26	75%	10%	3%	4%	8%	n.d.	n.d.
27*	85%	n.d.	n.d.	4%	n.d.	n.d.	n.d.
28**	60%	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
29	97%	n.d.	n.d.	n.d.	3%	n.d.	n.d.
30	86%	7%	n.d.	2%	3%	2%	n.d.
31	88%	3%	3%	n.d.	2%	4%	n.d.
32	95%	3%	2%	n.d.	n.d.	n.d.	n.d.
33	92%	2%	4%	n.d.	n.d.	n.d.	2%
34	90%	3%	2%	n.d.	2%	n.d.	3%
35	93%	2%	3%	n.d.	2%	n.d.	n.d.
36	87%	4%	3%	2%	2%	n.d.	2%
37	89%	4%	n.d.	3%	2%	n.d.	2%
38	83%	7%	3%	2%	3%	n.d.	2%

Other Constituent: boric acid.

* Other Constituents: boric acid and calcium undec.

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R/R 10/19/72

<u>Item Number</u>	<u>Product Name</u>	<u>Further Identification</u>
113	Faberge Xanadu Luxury Bath Powder Spray	(Y1)
114	Faberge Zizanie de Fragonard	(2132) Ref. 61159-019
115	Faberge Tigress Bath Powder	Ref. 2052-003
116	Faberge Woodhuc for Men	Ref. 5027 (0252)
117	Faberge Brut for Men Shower Buff All-Over Body Powder	Ref. 5400
118	Faberge Talc	(raw material; from France)
119	Faberge Aphrodesia Bath Powder	Ref. 2052 (2172)
120 *	Faberge Straw Hat Bath Powder	
121	Faberge Aphrodesia for Men Shower Buff	Ref. 5027
122	Faberge Xanadu de Luxe Bath Powder	Ref. 1244-028 (2342)
123 *	Faberge Woodhuc Bath Powder	Ref. 2052-002
124	Faberge Music Dusting Powder	Ref. 0714-018 (3121)
125	Faberge Flambeau Bath Powder	Ref. 2052 (3471)
126	Mennen Baby Magic	
127	Walgreen's Crib Age	
128	Caldesene Medicated Powder	
129	Desiten	
130 *	Vaseline Intensive Care	
131 *	Johnson and Johnson Medicated Powder	
132	Johnson Baby Powder	
133	Johnson's Baby Powder	(108T)
134	Johnson's Baby Powder	(109T)
135	Johnson and Johnson Medicated Powder	(0452K)
136 *	Johnson and Johnson Shower to Shower Body Powder	(C 512Z)
137 *	Johnson and Johnson Shower to Shower Body Powder	(0709X1)
138 *	Johnson and Johnson Shower to Shower Body Powder	(0872K)