

Johnson & Johnson
BABY PRODUCTS COMPANY

RARITAN, N.J. 08869

Demicronized Talc

Project No. 2006.01

Report for February - March 1977

OBJECTIVE:

Develop a commercially practicable talc product having a minimum content of particles 5 microns and below.

SUMMARY:

Talc Additive - Carbowax 400

JBP treated with 0.25% Carbowax 400 has been in aging and periodical testing to determine if the treated product maintains the reduced respirable particle levels imparted initially.

After three (3) months, the data show that no change in respirable dusting propensity has occurred in the treated products.

The average readings for the test materials over the three (3) month period were as follows:

	<u>(A)V-66Talc</u>	<u>(B)JBP</u>	<u>JBP + 0.25 (C) Carbowax</u>	<u>JBP made with demicronized talc + (D)0.25% Carbowax</u>
Peak ₃ Conc. mg/M ³	20.1	9.3	2.5	0.5

- 1) The addition of perfume results in a reduction of airborne respirable particles (ARP), A vs. B.
- 2) The addition of Carbowax 400 to JBP results in a marked reduction of ARP, B vs. C.

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- 3) A further reduction in ARP results when the JBP is made using demicronized (fines removed) talc, C vs. D.

FUTURE:

The "Reduced Respirables Task Force" has requested that particle size distribution of the respirable fraction, collected from Carbowax 400 treated JBP, be determined by automatic scan counting. This work is underway.

At this time our product development group requires 500 lbs. of demicronized 66 talc for Market Research testing of Carbowax 400 treated JBP.

Arrangements have been made with the Alpine American Corp. to produce the required material at their facility in Natick, Mass. during the week of April 25, 1977.

Prepared by:

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