PLAINTIFF'S EXHIBIT
UC-845

THE DISCOVERY COMPANY

Caltrion ASBESTOS

RESEARCH AND DEVELOPMENT DEPARTMENT

UNION CARBIDE CORPORATION

4625 ROYAL AVE., P. O. BOX 879, NIAGARA FALLS, NEW YORK 14302

April 28, 1970

Mr. Hans Lundgren
Permutit Company
E. 49 Midland Ave.
Paramus, N. J. 07652

Dear Hans:

The information we discussed this morning is attached. One bag of High Purity Open Asbestos has been ordered shipped to your attention. If it does not arrive in a couple of days, let us know.

Regarding toxicology, the latest UCC statement and a copy of the Walsh-Healey Act are attached. In general, we feel that asbestos requires a reasonable amount of care in handling just as is the case with many industrial raw materials. A hood at the point where the bags are emptied is suggested and the operator should wear a dust mask to guard against inadvertent spills. As we discussed, we do supply a low-dust "cracked" pellet product to the vinyl floor tile industry. Should dust become a critical factor, we could quite possibly provide a cracked high purity pellet if the volume is sufficiently large.

The flow and filtration data have been taken directly from a report by John Skvarla. They appear to be reasonably self-explanatory but if you have any questions, it will probably be easiest to contact John directly.

Chrysotile asbestos presents an unusual solubility problem. As we discussed, it occurs in the form of a tubular fiber made up of alternate, interconnected concentric layers of magnesium hydroxide (brucite) and silica. The exposed surface is essentially brucite and consequently becomes quite soluble at low values of pH. In addition, the asbestos is wet processed in hard water and any dissolved or suspended solids present in the filter cake will turn up in the final product. Although this

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quantity is quite small relative to the total weight of asbestos, it could become significant in your demineralized water application. It is suggested that the only really reliable way to check out this effect is actual measurements under conditions approximating the end use.

It was a pleasure talking with you again and I will be most interested to hear how your project progresses. If we can be of any further assistance, please let us know.

Very truly yours,

Harry

H. B. Rhodes
Technical Services - CALIDRIA Asbestos

HBR/bsn
Encl.
cc: Mr. J. E. Skvarla
bc: Messrs. B. L. Ingalls
J. L. Myers

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