INTER-COMPANY CORRESPONDENCE

(INSERT NAME) COMPANY U.C.C. LOCATION Mellon Institute

TO Dr. T. W. Hale
LOCATION New York Office

ATTENTION
COPY TO Dr. E. R. Weidlein, Jr.
Dr. A. W. Downes

DATE November 24, 1959

ANSWERING LETTER DATE

SUBJECT

PLAINTIFF'S EXHIBIT

UC-5220

Dear Tom:

You will recall that the current threshold limit for vinyl chloride is 500 p.p.m., based largely on single guinea pig inhalation studies by the Bureau of Mines about 25 years ago.

An off-the-record phone call from V. K. Rowe gives me incomplete data on their current repeated inhalation study. Six months at 500, 200 and 100 p.p.m. has not found a no-effect level. Even 100 p.p.m. produced organ weight changes and gross pathology, with micropathology expected. Vinyl chloride monomer is more toxic than has been believed. Rowe expects to get more information before he decides whether or not this has any bearing on the safety of packaging uses of vinyl resins.

Dow has been disturbed at sales efforts saying chloroform is less toxic than carbon tet. They have completed six months inhalation and find chloroform like carbon tet. This means its threshold limit will be lowered, as I have suggested for years. It was originally set by analogy with carbon tet, and never lowered when that for carbon tet was reduced.

I suggest that these personal communications not be quoted until Dow publishes.

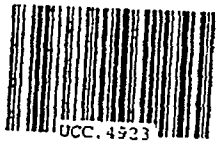
Very truly yours,

Henry F. Smyth, Jr.

amd

RECEIVED
NOV 27 1959

THIS FORM FOR INTER-COMPANY CORRESPONDENCE ONLY



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Vinyl Chloride
Digital Process Investigation, Litigation Support
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