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November 11, 1964

Dr. Jennings Fershing
6333 Wilshire Boulevard
Los Angeles 48, California

Dear Dr. Fershing:

Pydraul A-200 is a compound which is a mixture of silicones and chlorinated organic compounds. Its exact composition is held confidential.

It has an oral LD50 of over 10 g/kg. At ambient temperatures, six hour exposure showed no evidence of respiratory injury. The material was vaporized so that a concentrated atmosphere was obtained and this was only slightly irritating to rats exposed for six hours. Fog, which was decomposed at 1000° F., caused considerable discomfort in a few minutes. This was an extremely heavy concentration. The animals survived one hour exposure. The inflammatory condition did not reach the bronchial rale stage.

To answer your questions, I do not think any acute exposures at room temperature would produce any significant effect. Exposure to products of combustion at high temperatures would, of course, vary in effect, depending on time of exposure, concentration, and temperature. Conceivably, they could have the same result as inhaling an acid-type product. I would not, however, expect any permanent damage, as we have no reports of this from any of our workers or customers. I am also at a loss to know why any neuropathy could result from such exposure. In my opinion, it would not be causally connected.

Sincerely,

R. Emmet Kelly, M. D.
Medical Director

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