June 18, 1959

Mr. Frank A. Patty
Personnel Staff
General Motors Corporation
P. O. Box 188, North End Station
Detroit 2, Michigan

Dear Frank:

This will confirm our telephone conversation this morning relative to the toxicity of Pydraul F-9 and Pydraul AC.

In animal toxicity screening studies with Pydraul AC, the oral lethal dose in rats is approximately 40 grams per kilogram and in rabbits, 3.5 to 4.5 grams per kilogram. The greater sensitivity to rabbits is typical of this type of fluid.

We have tested rats for a 6-hour exposure to an atmosphere saturated with vapors of Pydraul AC. There was a slight reddening of the upper respiratory tract and a slight degree of lachrymation. This in itself would constitute a warning, should large amounts of the material contaminate the air stream and a mist rather than vapors occur. There were no other effects either systemic or local.

I feel certain that Pydraul AC and Pydraul F-9 are quite comparable in toxicity. Your safe experience with the Pydraul F-9 certainly will be applicable to Pydraul AC if the exposures and uses are the same.

Enclosed for your information is a bulletin on Pydraul AC.

Very truly yours,

R. Emmet Kelly, M.D.
Medical Director

REK:dh
Enclosure

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