BCC D. F. Smith-GO
Wilmington Sales Office

October 5, 1959

Mr. H. T. Siefen
Technical Section
E. I. du Pont de Nemours & Co., Inc.
Post Office Box 347
LaPorte, Texas

Dear Mr. Siefen:

I have been asked by our Houston Office to send you toxicity information on our fluid Pydraul AC.

In animal toxicity screening studies with this product, 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 with this type of fluid, but in either case, the figures are such that Pydraul AC would be classed as having a low order of toxicity from a standpoint of accidental ingestion of single doses.

Rats survived a six-hour exposure to an atmosphere saturated with vapors of the fluid. There was a slight reddening of the upper respiratory tract and a slight degree of lacrimation. The animals showed no other local or systemic effects due to the exposure.

At 100°F. the vapor pressure for Pydraul AC is less than 0.0005 millimeters and at 302°F. equals 0.8 millimeters. It would appear from these figures that atmospheric concentrations of Pydraul AC should be insignificant unless the fluid is heated to elevated temperatures or is atomized or dispersed into the atmosphere as a mist.

If we can be of any further assistance, please let us know.

Very truly yours,

Elmer P. Wheeler
Assistant Director
Medical Department

EPW:dh
cc Mr. Fred W. Poerschke
Monsanto Houston Sales office

DSW 018698

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