BCC Richard Davis - GO

June 7, 1961

Mr. George C. Stoecker
Industrial Hygiene Department
General Motors Technical Center
12 Mile and Mound Roads
Warren, Michigan

Dear Mr. Stoecker:

I have been requested to forward toxicity and safe handling information on our product Pydraul A-200. Attached are reports showing the results of animal investigations. At the time of the animal studies, the fluid was identified as "OS-95".

Our animal toxicity studies with the decomposition products of the Pydrauls confirm the evolution of irritating gases, vapors and mists. Essentially, the decomposition products are made up of hydrochloric acid vapors, carbon monoxide, and phenolics. That these decomposition products are obnoxious and toxic to a degree is easily demonstrated. Our animal experiments have shown, however, that a limited exposure to these decomposition products is no more hazardous from a toxicity standpoint than the decomposition products of petroleum base fluids. Further, obnoxious and irritating characteristics of the decomposition products of the fire-resistant fluids serve as a deterrent to exposure of workmen. We consider this a "plus factor" in that workmen will not unknowingly expose themselves to insidious contaminants as might be the case where toxic levels are not significantly discomforting.

If you have any additional questions after reviewing the attachments, please let me know.

Very truly yours,

R. Emmet Kelly, M.D.
Medical Director

REK:dh
Attachments 3 (Y-58-4, Y-58-46, "Toxicity and Safe Handling of Pydraul A-200")
cc Mr. John H. Orem
Monsanto Chemical Company
18230 Grand River Avenue
Detroit 23, Michigan

MONS 091134