June 30, 1969

L. A. Hansen, Ph.D.
Industrial Hygiene Section
State of Washington
Department of Labor and Industries
P. O. Box 207
Olympia, Washington 98501

Dear Dr. Hansen:

Your letter of June 17 has been referred to me for reply. Apparently your earlier letter of May 1 was misdirected in our general mail room.

Pydraul 150 is a phosphate ester based hydraulic fluid containing chlorinated hydro carbons. For your confidential information, it is made up of approximately 70% 2-ethylhexyl diphenyl phosphate and 25% chlorinated biphenyl (42% chlorination). The other 5% includes additives for viscosity improvement, corrosion resistance, scavengers, etc.

The phosphate ester is a fairly innocuous material as indicated by the enclosed reprint from the August, 1953 issue of the A.M.A. Archives of Industrial Hygiene and Occupational Medicine. Additional articles appeared in the September, 1953 issue of the Archives. This plasticizer is approved by the Food and Drug Administration as a plasticizer for film for wrapping food. We do not have inhalation data but do not consider this to be a significant hazard.

There is also enclosed a reprint showing the results of chronic inhalation studies with 42% chlorinated biphenyls and the AIHA Hygienic Guide for this material.

If I can be of any further assistance, please do not hesitate to let me know.

Sincerely,

Elmer P. Wheeler
Manager, Environmental Health

EPW:ju
Enclosures

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