Ms. R. Bronsick - MO - 3
Mr. G.R. Buchanan - Rbts.
Ms. M. Conte*- Rarch Lib
Mr. R.E. Hatten - Rarch
Mr. R.D. Minteer - MO - 1
Dr. G.W. Steahly - Nitro

St. Louis, Mo.

August 8, 1956

Y-56-40

2-8

Mr. J.B. Davis*

Roberts Bldg.

TOXICITY REPORT ON FYDRAUL AC (OS-67)

Attached is a copy of the report from Younger Laboratories on the subject material. The data in this report may be summarized and interpreted as follows:

> The Oral Lethal Dose in rats is approximately 40 grams per kilogram and for rabbits 3.5 to 4.5 grams per kilogram. The greater sensitivity of rabbits is typical of this type of fluid. This lethal dose is of such an order, however, in either case, that the fluid may be considered only "slightly toxic" to man from the standpoint of accidental ingestion of single oral doses. The fluid may be absorbed through the unbroken skin of rabbits in doses resulting in death, but again the dose is such that accidental massive skin exposures to man do not present a hazard. Skin and eye irritation studies with rabbits would classify the fluid as a mild irritant. Laboratory animals survived six-hour exposures to an atmosphere saturated with the vapors of the fluid.

On the basis of the above data it may be concluded that Fydraul AC requires no special handling precautions other than avoiding prolonged or repeated skin contact. Accidental splashing in the eyes will result in moderately severe pain and irritation but no permanent damage should result.

Elmer F. Wheeler

EFW:dh
Attachment
* Receive copy of report

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