

From **MONSANTO CHEMICAL COMPANY**

At Washington, D. C.

S. H. Litzsinger - Rob'ts
Roger Hatton - M.O.

Date June 1, 1956

To Dr. R. Emmet Kelly Reference Submarine Use

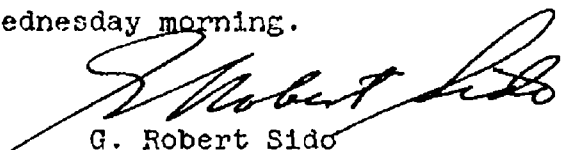
At M.O. Subject Pydraul 150

Glad to hear you will be able to be here for the meeting with BuShips and BuMed people on June 6. Toxicity investigation of Pydraul 150 for submarine use has resulted in BuMed conclusions that its safe air concentration limits are too close to what might be achieved in use. Their sights on exposure time have changed drastically through success of atomic power; that is, submerge times are now weeks rather than hours. BuMed's recommendations in this regard are that Pydraul 150 should not be used. A decision is not cold cut and judgement is the predominant factor. They have asked for this meeting to clarify and discuss this decision.

People to be present are Commander Siegel from BuMed, Mickey Alpert from BuShips chemistry branch, Capt. Alvis, BuShips liason with BuMed and Mr. Curran of the Sub-type group in BuShips.

It is our hope that if Pydraul 150 is not successful we can get their requirements well defined physically and medically to assist in submission of a successful safety fluid. In this regard it seems that toxicity is possibly the most critical requirement for the introduction of a product. You might keep OS-70 and OS-16 (Santicizer 141) in mind as products which sales feel have adequate fire resistance; and pending the outcome of this meeting they will be interested in your judgement of medical aspects and limitations.

Looking forward to seeing you Wednesday morning.


G. Robert Sido

GRS/s

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