~~NTJ~~ / ~~SS~~ / ~~RD~~ / ~~DER~~ (last)

St. Louis

February 5, 1968

D. Roush - DROUS
K. McHugh - KMCHU

HALLIKAINEN INSTRUMENTS
THERMINOL FR-3

TOXICITY FILE
(L.H. DESK DWR)

Donald R. Pogue
SANTA CLARA

This is in reference to your call report of January 28, 1968 on the subject customer.

If an open bath means what I think it does and FR-3 is going to be heated in this bath up to 500°F., a most critical health hazard will result.

All the fumes will have to be evacuated from the room. In addition, a system must be constructed so that materials after they have been removed from the bath do not drip the FR-3 anywhere outside this confined bath. In short, I do not believe such a system can be designed and I would think FR-3 has no place in such a bath.

If I have misinterpreted the possible use of this compound, please let me know but, certainly, the vapors of FR-3 at 500°F. constitute, as I said, a serious health hazard.

R. Emmet Kelly, M. D.

REK/ln

I learned recently that Ames Laboratory - Iowa State University has been using Aroclor 1248 in such a bath successfully for several years - They use efficient exhaust techniques (forced/induced draft) and have no problems. I suspect there are many such applications that we don't hear about.

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