General Offices - St. Louis

January 13, 1967

George Buchanan
Richard Davis

Discussion of Toxicity of
TCP and Santosafe 300

Curt Early

Enclosed is a discussion of various grades of TCP which I have put together for Dr. Kelly's signature. Enclosed also is a copy of the Industrial Bio-Test studies on Santosafe 300, which was identified as MCS 528 at the time the work was done.

Attached is a single sheet showing the comparative lethal oral and skin doses of Pydraul 280, Santosafe 300, and Pydraul A-200.

The discussion of TCP toxicity and safe handling does not go into the ortho-ethyl phenol content of the raw material since we have no data as to the amount of this isomer present in our TCP raw materials from 1938 to about 1963. I purposely avoided reference to our current specification for total ortho-cresol and ortho-ethyl phenol, but instead made the statement that our present specs are similar to those during the 1938-1963 years.

I purposely have made no correlation between the TCP information and specific Pydrauls or Santosafe, since as far as I know, we are still not allowed to admit that TCP is the phosphate ester in our Pydraul fluids. This memo and information are provided for you to use at your discretion in your verbal discussions without committing us to statements in writing.

Briefly, as far as we in the Medical Department are concerned, the current specs on our TCP for Pydrauls does not increase the hazards of the use of these fluids, regardless of the TCP content and regardless of the possibility that acute animal toxicity data might show some increased toxic effect in experimental animals.

Elmer P. Wheeler

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Enclosures

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