

OCT 25 1965

bcc: G. R. Buchanan-St. Louis
A. G. Eades/ R. Davis/
D. Smith - St. Louis
E. P. Wheeler-St. Louis

October 21, 1965

Mr. Kenneth M. Morse
Director Industrial Hygiene
United States Steel Corp.
525 William Penn Place
Pittsburgh, Pa.

Dear Mr. Morse:

This will confirm our telephone conversation of October 19 regarding our recent work with MCS-312.

A thorough investigation of the unpleasant odor of MCS-312 at elevated temperatures has been conducted by our research people. They discovered that there was a component present in the fluid in minor proportion which was responsible for the odor problem. This component was originally incorporated into the fluid as a scavenger and has since proved unnecessary. As you and I discussed this was a soybean derivative and as such would have an objectionable odor at elevated temperatures.

We removed this component from the fluid and then compared the odor of our fluid to the odor of your present phosphate ester at elevated temperatures. The consensus of our "board of smellers" was that one did not smell appreciably worse than the other.

The toxicity of MCS-312 was discussed in Elmer Wheeler's letter of September 30. It seems that there is no more toxic danger involved with MCS-312 than with other similar industrial fluids used by your company.

I have recently talked with Bill Freidline, who is in charge of maintenance of the equipment at Homestead which was using MCS-312. Pending your comments, Bill would like to reinstall our "modified" fluid in his equipment. For the present time we will refer to this product as MCS 410.

MONS 090923

Mr. Kenneth M. Morse

-2-

October 21, 1965

We look forward to renewed business with you in this area. If I may be of further service in this matter, please let me know.

Very truly yours,

Mack G. Nichols
Sales Representative
Functional Fluids

MGN/dg

cc: C. Craig Wright, M.D.
Mr. W. M. Schrey

MONS 090924