Mr W. L. Clark - HC

B3NC

January 25, 1972

D F E Chemicals
P. O. Box 287
M a n i l a

Attention: The General Manager

Dear Sir:

We are writing to advise you that, effective this date, Monsanto will no longer sell the Therminol FR series of heat transfer fluids. This important decision by Monsanto's management has been carefully considered.

The Therminol FR series of fluids contain polychlorinated biphenyls (PCBs). Studies indicate PCBs may be accumulating in the environment. In some instances, PCBs have been found in food or in the food chain. An article by Carl G. Gustafson of the Federal Water Quality Administration appearing in "Environmental Science & Technology" and dealing with this subject is attached for your information.

Because of Monsanto's concern over this problem, in the United States we have previously discontinued sales of PCBs where the usage was in so-called "open systems" and previously where the usage would be in food processing applications. We have now decided to withdraw all sales of Therminol FR heat transfer fluids world-wide. As a result of these efforts, many of our heat transfer fluid customers have switched from Therminol FR series fluids to other materials or systems.

Our action in discontinuing sales for use in heat transfer systems has been taken because of the problems which may arise should there occur accidental leakage of PCBs from such systems. We believe this action is in the best interest of all our customers who have been using these materials in heat transfer applications.

If you decide to change over from Therminol FR to a non-PCB heat transfer fluid, we suggest you drain out the Therminol FR thoroughly and clean the system before refilling. In view of the potential ecological problems associated with PCB we encourage you to take steps to dispose of the spent fluid in a safe manner.

Should you have questions regarding the changeover from Therminol FR to a non-PCB heat transfer fluid please contact this office. If these questions cannot be answered locally, they will be transmitted to Monsanto's world-wide headquarters where the consultation services of a team of heat transfer specialists are available by mail.

Very truly yours,

MONSANTO PHILIPPINES INC.

R. K. Louis
General Manager

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Encl.