

C. H. Miller

ETHYL CORPORATION

INTER-OFFICE CORRESPONDENCE

TO	Dr. R. A. Kehoe	ADDRESS	Cincinnati
FROM	George P. Rosser	ADDRESS	Pittsburgh
SUBJECT		DATE	19 October 1953

Dear Dr. Kehoe:

The attached letter from Mr. Noll of the Gulf Oil Corporation supplements his original letter requesting your comments on a problem involved in the use of lead salts in fuel oil which I forwarded to you on October 15th.

George P. Rosser
George P. Rosser

GPR:lr

Att.

cc: Mr. R. C. Murphy



PETROLEUM AND ITS PRODUCTS

GULF OIL CORPORATION

PRODUCT DEVELOPMENT AND PRODUCT ENGINEERING

GULF BUILDING · PITTSBURGH 30, PA.

October 16, 1953

C. R. NOLL
DIRECTOR
AUTOMOTIVE PRODUCTS ENGINEERING

INCLUDING SUBSIDIARY
GULF REFINING
COMPANY

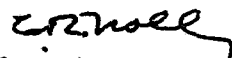
Mr. Geo. Rosser,
Ethyl Corporation
525 Alcoa Building
Pittsburgh 19, Pa.

Dear George:

Referring to my letter October 13th, I have now been advised that the calculations which resulted in my informing you that the daily release of lead from burning of the treated Fuel Oil would amount to 12 - 24 grams was incorrect and that this figure should be corrected to 6 to 12 grams per day.

You may wish to pass this corrected information on to Dr. Kehoe in his consideration of our problem.

Yours very truly,


Director,
Automotive Products Engineering

CRN:K

C - Dr. Kehoe

ETHYL CORPORATION

INTER-OFFICE CORRESPONDENCE

TO	Dr. Kehoe	ADDRESS	Cincinnati
FROM	George P. Rosser	ADDRESS	Pittsburgh
SUBJECT	Request for Opinion - Gulf Oil Corporation.	DATE	15 October 1953

Dear Dr. Kehoe:

I am enclosing a letter from Mr. C. R. Noll, Director Automotive Products Engineering, Gulf Oil Corporation, in which he requests an opinion from you as to the hazard involved in the use of a soluble lead salt in furnace oils to be used in home heating units.

It will be very much appreciated if you would answer this letter direct to Mr. Noll, and I am sure that the Gulf Oil Corporation will be most appreciative of any assistance that you can provide enabling them to make a decision on the product.

With very best personal regards, I am

Yours sincerely,


George P. Rosser

GPR:lr

Enc.

cc: Mr. R. C. Murphy



PETROLEUM AND ITS PRODUCTS

GULF OIL CORPORATION

PRODUCT DEVELOPMENT AND PRODUCT ENGINEERING

GULF BUILDING · PITTSBURGH 30, PA.

C. R. NOLL
DIRECTOR
AUTOMOTIVE PRODUCTS ENGINEERING

October 13, 1953

INCLUDING SUBSIDIARY
GULF REFINING
COMPANY

Mr. Geo. Rosser
Ethyl Corporation
525 Alcoa Building
Pittsburgh 19, Pa.

Dear Mr. Rosser:

This refers to your kind offer to secure Dr. R.A. Kehoe's comments on the following question.

We desire to obtain an opinion relative to the possibility of lead poisoning of individuals in a neighborhood in which a soluble lead salt might be used to improve the combustion efficiency of domestic furnace oils in typical oil fired home heating units. The total amount of lead in the final fuel oil mixture would vary between 0.012% and 0.024%. Treated fuel oil might be burned at the rate of approximately 300-gallons in from 30 to 60 days, resulting in a daily release of lead of between 12⁶ and 24¹² grams. The concentration of lead in the atmosphere would of course vary depending upon the amount and direction of prevailing winds, and it would of course be possible that an appreciable build up of atmospheric lead might result in event a period were encountered wherein there was little movement of air for a number of days.

Although we appreciate that with so many intangibles involved it may be difficult to arrive at specific conclusions, nevertheless the assumptions proposed would cover what might be encountered under typical conditions. We are primarily interested to know whether or not the resultant concentration of atmospheric lead in a neighborhood, where such lead treated fuel were used exclusively in home heating oil fired furnaces, might be sufficient to rule out consideration of such treated fuel for heating purposes.

We shall greatly appreciate any comments Dr. Kehoe might care to make on this problem.

Yours very truly,

C. R. Noll
Director,
Automotive Products Engineering

CRN:K

OCT 15 1953

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*Confirmed Telephone conversation 10/27/53
by C.R.N.*