

ETHYL CORPORATION

100 PARK AVENUE

NEW YORK 17, N. Y.

October 18, 1962

To: Messrs. H. K. Ball
H. J. Gibson
D. M. Guy
H. E. Hesselberg
J. H. Huguet
L. L. Huxtable
R. A. Kehoe
M. P. Murdock
W. R. Perdue
F. Princi
S. T. Pruitt
R. K. Scales
K. Swartwood
M. A. Taylor
B. B. Turner
F. P. Warne

Gentlemen:

The attached is for your information.

George F. Kirby

GFK:JC

G. F. Kirby

KE 0009255

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NEW YORK 17, N. Y.

October 18, 1962

Dr. Robert J. Anderson
Assistant Surgeon General
Chief, Bureau of State Services
U.S. Public Health Service
Washington 25, D.C.

Dear Dr. Anderson:

Dr. Robert A. Kehoe has recently submitted to the Public Health Service a report⁽¹⁾ on tetramethyl lead (TML) in gasoline covering test work conducted at California refinery and service station locations. Based on this, and on earlier work conducted and reported by Dr. Kehoe,⁽²⁾ we conclude that tetramethyl lead and tetraethyl lead (TEL) are no different from the standpoint of their possible effects on the public health.

Some of our oil refining customers would like to be free to increase the concentration of TML in gasoline. We therefore propose to raise the maximum permissible TML level, on a grams of elemental lead per gallon of gasoline basis, to the same value as is currently in effect for TEL. Also, we propose that the same maximum concentration of elemental lead per gallon of gasoline should apply to mixtures and reaction products of TML and TEL. The current and proposed maximum concentrations of lead alkyls in gasoline are as follows:

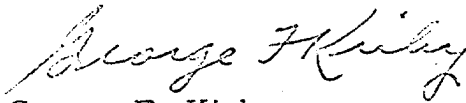
	<u>ml. Lead Alkyl Per Gallon Gasoline</u>	<u>Grams Elemental Lead Per Gallon Gasoline</u>
<u>Current Maxima</u>		
TEL Motor Mix	4.0	4.23
TML Motor Mix	2.06	3.17
50/50 TEL-TML Reaction	2.52	3.17
<u>Proposed Maxima</u>		
TEL Motor Mix	4.0	4.23
TML Motor Mix	2.74	4.23
50/50 TEL-TML Reaction	3.37	4.23

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We realize that the Public Health Service has no legal authority to prescribe the concentration of lead in gasoline. Nevertheless, we would again appreciate your technical review and advice on this matter, such as was rendered by Dr. David E. Price, Assistant Surgeon General, in his letter of April 1, 1960 to Dr. R. A. Kehoe in connection with the current maximum concentration of TML in gasoline.

Yours very truly,



George F. Kirby
Vice President-Operations

GFK:JC

- (1) "On the Potential Hazard Associated with the Introduction of Tetramethyl Lead as an Antiknock Agent Into Commercial Motor Gasoline with Respect to the Absorption of Lead by the Handlers of Such Gasoline" (July 10, 1962)
- (2) "An Investigation of the Potential Hazards of Exposure to Lead Associated with the Handling and Use of Gasoline Containing an Antiknock Fluid in which Tetramethyl Lead is Substituted for Tetraethyl Lead" - A Report of The Kettering Laboratory, Department of Preventive Medicine and Industrial Health of the College of Medicine, University of Cincinnati, November 10, 1959.

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