

ETHYL GASOLINE CORPORATION

CHRYSLER BUILDING
135 EAST 42ND STREET

NEW YORK

GRAHAM EDGAR
DIRECTOR OF RESEARCH

Sept. 13, 1933.

Dr. Robert A. Kehoe,
College of Medicine,
University of Cincinnati,
Eden & Bethesda Aves.,
Cincinnati, Ohio.

My dear Kehoe:

I have your letter of September 11th and have forwarded you today a few photographs submitted by Mr. Ronan from the Barnsdall installation at Okmulgee. Mr. Ronan has had photographs taken of two other installations which he wrote us would be sent in a few days. I have wired him to send them directly to you if they have not already been mailed in which case I will send them as soon as they come.

Mr. Schaefer told me a few days ago that he was in contact with you on the subject of photographs of drums, tanks, etc., and would send them direct.

The composition of the present ETHYL Fluid containing .75 theories of bromine is as follows on a weight percentage basis:-

Tetraethyl Lead	61.69
Ethylene Dibromide	26.88
Ethylene Dichloride	7.55
Kerosene and	
impurities	3.76
Dye	.12

The specific gravity at 20° C. is 1.6475.

We have not yet determined the freezing point of this material which will be lower than previous mixes because of the reduction of ethylene dibromide. Since it is the ethylene dibromide that freezes out, the freezing point will be lower, the lower the amount of dibromide used. It is probable that this mix will be slightly changed in the near future by eliminating most of the kerosene and perhaps will further reducing the dibromide.

I enclose a report from Schaefer on the flash point of this mix.

I shall look forward to seeing your paper and doubt if I have any suggestions to make.

Very truly yours,