

ETHYL GASOLINE CORPORATION

MANUFACTURING AND TRAFFIC DEPARTMENT

INTER-OFFICE
CORRESPONDENCE

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October 4, 1938

Memorandum to:

Mr. O. B. Lewis

Last week Mr. Baldwin brought to the plant can No. H-1216 which he picked up at Ambler Brothers, Philadelphia. The contents were reputedly a sample of straight uncolored tetraethyl lead which one of their acquaintances claims he obtains for his racing cars or boats, as the case may be. Ambler Brothers did not disclose the name of the person from whom the material was obtained, nor the original source. However, from conversation with Mr. Baldwin, it is my understanding that he has an indirect inference that the material originated from the Eastman Kodak Company. This may or may not be true.

Analysis showed the material to have a specific gravity of 1.625 at $20^{\circ}\text{C}.$, and its tetraethyl lead content was 97.65% by the iodine ⁴ titration method. Unquestionably the material is commercial tetraethyl lead. The size of the sample was approximately 250 cc.

There is one puzzling detail with regard to this sample. Can No. H-1216 contained ETHYL Red Fluid when shipped originally to Ambler Brothers. They report that the can was washed out carefully with gasoline before transferring the special sample to it. Strange to say, the sample was rather blue in color, approximately equal to the color strength of gasoline containing 0.3 to 0.4 grams of our ETHYL Blue dye per 100 gallons. The lead analysis shows that there could have been little contamination from the can itself, and this is further substantiated by the difference in color. This would indicate that the tetraethyl was distributed already dyed.

J. H. Schaefer

BY: *CW*

G:LS

KE 0009962

Dr. R. W. Wiley - Discharge operator
Dr. Grebel 1st in charge of Phys. Sec. Lab.
Dr. Boush 2nd in charge " " "

Laboratory reaction c. T.E.L. as catalyzed
 $\frac{1}{2}$ g. to 1 $\frac{1}{2}$ solution of T.E.L. in alcohol
0.1 g. at times
Question of fate of T.E.L. in process
Determine presence of T.E.L.

12-11-68
Plants containing - (exact) 770000
border by containing 734. 46/100 up
at 11.3. use of carbon containing from

Regulation - Work of words of first edition
look if first

Handling of 8500

Recommendations
have storage placed - and need separate
handling place / need separate of all
year shift

Send sample containers to and
can also send for fire men

See analysis results and men
in alphabetical lead analysis file
under (miscellaneous)

KE 0009964

6241 One-half inch, 100 valued of
James covered with
C.P. H.

KE 0009365

Area of material

- ① Sample of reactor mixture
- ② Samples of mixture & from outside
- ③ Sample of slurry from outside
- ④ Sample of powder from slurry
- ⑤ Sample of water vapor from slurry
- ⑥ Culture waste from
- ⑦ Culture waste - last
- ⑧ Sample of fecal phages

Reactor mixture will come in dry ice
with rapidly and extract to add of
St. 1 Present