

Dr. Cristescu
Roumania

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KE 0013353

N14863

Dr. R. A. Kehoe,
(Dept. of Physiology),
College of Medicine,
University of Cincinnati,
Cincinnati,
Ohio, U.S.A.

Dear Dr. Kehoe,

I am enclosing with this letter a long scre
medical consultant in Roumania and would appreci
would be kind enough to reply to him direct.

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Ethyl Export Corporation,
Thames House,
Millbank,
London. S.W.1.

Gentlemen,

I wish to bring to your attention the called "Securitas", in the February 1937 number, Major Doctor Od. Apostol, Head Doctor of the avi the title of "Harmful effect of Ethyl benzine up article he declares that for approximately one y observed that all aeroplane mechanics and their respected hygienic regulations wholly, and some as also some pilots and other of his personnel, showed the following symptoms of lead poisoning:

- 1) Headache, localized more at the back of the long flight and at great height;
- 2) Sickness;
- 3) Stomach pains, in some cases accompanied by
- 4) Inflammation of the gums, the latter having
- 5) Modification in composition of blood;
- 6) On the spot where a drop of Ethyl benzine fe redness appeared according to the size of th blister and after several days a sore which 20 days. This was observed on the hands, f head (where some have an habit of scratching

On the other hand an Engineer Jean *Po* entitled "La detonation et quelques problemes" p that after using 100,000 liters of Ethyl benzine serious with the men who had handled it, which f believe.

Another article appeared in May 1937,

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tetraethyl or lead is a very poisonous substance, organism together with benzine vapours or exhaust various causes, cause dangerous poisoning, therefore benzine." He adds:- "With a little prudence you drawback of Ethyl benzine in view of the numerous

Personally, as Consultant Doctor of the since the year 1934 at Romano-Americana Refinery, Romana and Unirea Refineries in Ploesti, with the examinations of the personnel employed at Ethyl to date that there has not been one case with the well understood, of course, that they respect the handling and mixing Ethyl fluid as also the regular storage tanks used for gasoline that contains Ethyl

From the works of the Ketterling Laboratory in the College of Medicine of the University of Chicago have been sent me by Doctor Robert A. Kehoe, the following drawn:-

- 1) There is no reason to fear the existence of health from the distribution and use of leaded gasoline.
- 2) Experimental evidence has indicated that the absorption from skin contact and inhalation of vapors of tetraethyl lead were practically negligible;
- 3) The lead exposure associated with the use of gasoline containing tetraethyl lead at service stations.
- 4) The lead exposure arising from prolonged use and repair of automobiles using leaded gasoline is not likely to cause slight increase in the mean rate of uric acid excretion either in a greater lead output per unit time or in the fecal lead excretion. No increase in the fecal lead excretion has been observed.
- 5) There is no reason to believe that the use of leaded gasoline for service and repair work involves danger from lead poisoning.
- 6) Because of the number and variety of occupations involving exposure to lead in the garage mechanic's occupation, the lead exposure deriving from leaded gasoline and its use is conjectural.

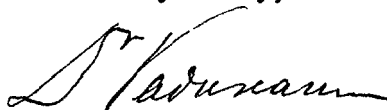
Although Ethyl benzine for aeroplanes

the benzine, but as far as the Romano-American is supplied with a concentration of more than 3 ccs. y

From information gathered at Teleajen R the men in the laboratory when controlling the Ethyl sometimes had small quantities drop on their hands, that it had not caused them the slightest harm. For case which was related to me by a workman at a ref in Ploesti, which goes to prove that Ethyl benzine when coming in contact with the skin is not harmful. mounted the steps of a tankcar loaded with Ethyl b establish how much was in the car, when an assistan the car being too full flowed over and wet the who. He went immediately and had a bath and did not fee skin or any other symptom.

Inasmuch as the literature in regard to have received from Dr. Kehoe does not contain the benzine for aviation, I shall be greatly obliged i to receive a copy.

Yours very truly,



Dr.

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