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P.G. Benignus, Esq.,

28th February, 1967.

Dear Mr. Benignus,

CIGRE Study Committee No. 1. Sub-Working Group. Askarels.

I have pleasure in sending you two further documents for your consideration, both of which deal with methods for the determination of the thermal stability of Askarels by two entirely different methods. At present the proposed ASTM method involves hydrolysis of the Askarel sample by heating with alcoholic sodium hydroxide with potentiometric titration of the liberated chlorine in an acetone medium. The difficulty of using this method arises from the time, temperature and concentration dependents of the reacting components, with the result that a wide range of figures can be obtained with a comparatively small variation in reaction conditions.

In order to compare experience with various methods for measuring the thermal stability of Askarels, by measuring the labile chlorine content before and after an empirical hydrolysis, I would ask you to study the attached methods (respectively Ch/T.350 and Z.308) in the light of your own procedure, whether it be the proposed ASTM method or some other technique.

I intend to include as one of the major items on the agenda for our next meeting the subject of the measurement of the thermal stability of Askarels, as indicated at the end of our meeting in Paris. Your views, therefore, on the desirability of making such a measurement, as well as the best technique available, would be greatly appreciated.

Yours sincerely,

E. H. Reynolds

Enc: (2)

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