

Hydrocarbons Oxidation in Ultrasonic Field

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Abstract In this paper we present the ultrasonic field influence to the speed of hydrocarbons oxidation reaction. From our experiments result that the ultrasonic field increase the speed of reaction the stages been the same as in hydrocarbons oxidation reaction without ultrasonic field. Because the chemical reactions take place only when ultrasounds are on a intensity value we concluded that this is determinate by the reaction conditions and it can be explain through the electrical phenomena that appeared in the bullas cavity in the first formed stage, when the bullas walls is electricity loaded.

Keywords: hydrocarbons oxidation, ultrasonic field.
