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Physical and Chemical Characterization of Fog Oil Smoke and Hexachloroethane Smoke

Authors: Sidney Katz; Alan Snelson; Raleigh Farlow; Roger Welker; Stephen Mainer; IIT RESEARCH INST CHICAGO IL

Abstract: The U.S. Army HC smoke generator has been studied, the investigation including the reagent materials, generation process, and the product gases and aerosol smoke. The reagent material consisted of hexachloroethane, zinc **oxide**, **aluminum**. In a series of chamber tests, variations in material composition did not appear to affect the characteristics of the product smoke, but small variations in the **aluminum** concentration did control the rate of the smoke generating reaction.

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