

Abstract Submitted
for the SHOCK09 Meeting of
The American Physical Society

Thermal Ignition of Detonable Hydrogen Peroxide Compositions

JONATHAN ZUCKER, TIMOTHY FOLEY, PETER DICKSON, Los Alamos National Laboratory — Hydrogen peroxide can be mixed with a variety of fuels to produce detonable compositions. These compositions can be thermally unstable and their behavior can be difficult to predict. Furthermore, the addition of some acids to the mixture could increase its sensitivity. Presented here are the outcome of cookoff experiments performed on hydrogen peroxide and fuels compositions, as well as acid-sensitized mixtures.

Jonathan Zucker
Los Alamos National Laboratory

Date submitted: 24 Feb 2009

Electronic form version 1.4