Monsanto

FROM (NAME & LOCATION) A. L. Rasmussen - WGK

DATE : September 15, 1971

SUBJECT : Foaming of Waste Aroclor Incinerator

REFERENCE :

CC: A. E. Leisy
E. E. Stewart
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TO :

W. C. Engman

Yesterday, I had planned to run some defoamer experiments using our waste aroclor. However, I could not get the original waste to foam.

Two trials were made:

#1 - Some 200 ml of waste from 117 storage was heated in an open beaker without agitation. The temperature was raised from 30°C to 140°C over a 1 hour period. Some minor bubbling and vapor escape was observed. There was no hint of foaming. The sample originally contained 0.14% water; after heating the water content was reduced to 0.021%.

#2 - To some 200 ml of the 117 waste, 1 ml of water was added to bring the percentage to 0.6%. Free water was observed. The sample was heated (open beaker - no agitation) from 26°C to 135°C over a 30 minute period. Some vapor escape was noted, but no foaming. At this point, the hot solution was stirred; some minor "coffee" type foam resulted.

I am now requesting PR&D to pursue this effort further to determine the magnitude of the problem and the effect of defoamers.

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Mfg. Rep.

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