

u20<sup>u</sup> WWH

St. Louis

Dr. Paul Hoffman

March 17, 1965

2,3,7,8-Tetrachlorodibenzyl-para-Dioxane

Mr. John Stephens  
JSTEP

FILE	
Destroy	
JTG	
WMM	
RSJ	✓
RE	✓
LEAF	✓
EP	✓

Enclosed is a sample of 2,3,7,8-tetrachlorodibenzyl-para-dioxane.

This was received from Dow Chemical Company, and according to them it is the most toxic compound they have ever experienced. It presumably is toxic by skin contact, as well as by inhalation. According to Dow it is 100 times as toxic as parathion. It is, likewise, capable of causing an incapacitating chloracne.

I would recommend that extreme care be used in handling; that dilutions be made under a hood; and that all equipment be washed out immediately, or disposed of. Even trace amounts of this (200 ppb) have caused chloracne in rabbits, according to Dow.

This is being given to you to calibrate the VPC method of analyzing for this compound in our 2,4,5-T. I wish you would save some of it for me, as we would like to do some biological evaluation also.

Please call me if you have any questions.

R. Emmet Kelly, M. D.

RKK/ln  
enc.