

DATE: February 27, 1979

SUBJECT: Registration No. 476-1995, Meeting with Stauffer Chemical Company concerning Acute Oral LD<sub>50</sub> of Dyfonate 10G. Caswell No. 454B.

FROM: John Doherty  
TOX. Branch

*John Doherty Budd 3/2/79 WSW*

TO: TOX Branch Files

Present

J. Wise, Stauffer Chemical Company  
T. Castles " " "

J. Edwards, EPA  
J. Rea, "  
E. Budd, "  
J. Doherty "

In a previous review of Dyfonate 10G, TOX. Branch (see Doherty memo of May 24, 1978), it was stated that this product should be labelled as a category I toxicant based on the acute rat oral LD 50. For example, one study of two studies submitted revealed that female rats have an oral LD 50 value of 37 mg/kg.

Dr. Castles defended the company's assignment to tox. category II by referring to a third study that showed the LD<sub>50</sub> for females was well above the 50 mg/kg level. Dr. Castles also stated that the reason the first study revealed a lower LD<sub>50</sub> value may be related to an artifact of intubating low volumes of test material and that this resulted in a higher dose level than calculated.

TOX. Branch agreed to re-evaluate the two studies and review the third study and Stauffer stated they will redo the acute oral LD 50 with this product and submit the results to EPA within 6 months.

RD initial EBudd  
TOX/HED/OPP:lf  
2/23/79

*lf*