

US EPA ARCHIVE DOCUMENT

MEMORANDUM

SUBJECT: SC-0224 (Sulfosate); Tax Comments  
on Stauffer Chem. Co 4/27/87 letter.  
(Tax Chem #93C) EXPEDITE

FROM: R. Bruce JAFFER, Section Head  
Review Section #1  
Tax. Br / HED (TS-769) RBJ 4/29/87

TO: R. Taylor, PM #25  
Herbicide / Fungicide Branch  
RD (TS-767)

Toxicology Branch appreciates the response from Stauffer. We concur with their comments about teratology and reproduction studies, with the following observations:

Teratology (rat): Teratogenic NOEL > 333 mg/kg (HDT)  
Fetal NOEL = 100 mg/kg  
Fetal LEL = 333 "  
Maternal Tox. NOEL = 100 mg/kg  
Maternal Tox. LEL = 333 "  
CORB: Minimum

Teratology (rabbit): Teratogenic NOEL > 100 mg/kg (HDT)  
Maternal Tox. NOEL < 10 mg/kg (LDT)  
[unexamined]  
• increased mortality: NOEL = 40 mg/kg  
• " abortion: NOEL = 40 mg/kg  
• reduced feed intake: NOEL = 10 mg/kg  
CORB: Guideline

2-Generation Reproduction (rat): NOEL = 150 ppm  
LEL = 500 ppm (reduced feed intake, reduced b.wt; reduced thymus weight; increased platelet count).  
No adverse effects on reproduction indices at doses up to and including 2000 ppm.  
CORB: Guideline