

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SUBJECT: Referral for Inert Ingredient

DATE: June 4, 1974

FROM:

TO: Mr. Lee TerBush
Acting Chief
Coordination Branch
Registration Division (HM-567)

N,N-diallyl dichloroacetamide - (R-25788)

Related Petition: 2F1273

Stauffer Chemical Co. recently petitioned for an exemption from the requirements for a tolerance (PP# 2F1273) and R-25788 was subsequently cleared under 180.1026 for use on corn only when used as an inert ingredient in formulations of Vernam, Sutan and Eptan herbicides, to be applied prior to emergence. Use is restricted to corn since data are not available for other crops (see review of 12/19/72, E. L. Gunderson).

The toxicity of R-25788 has been defined for the above purposes (see review of 8/7/72, D. L. Ritter).

Acute oral LD_{50} 's in rat, mouse and guinea pig are all greater than 2200 mg/kg; in the mongrel dog the oral LD_{50} is about 320 mg/kg.

Rat 13 week feeding study - NEL = 200 ppm

Dog 13 week feeding study - NEL = > 960 ppm

Rat teratology study - negative for effect at 40 mg/kg

PO ingestion, days 6 through 15 of gestation.

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CB determined that R-25788 rapidly metabolizes to fragments that are incorporated into the plant, therefore, it is essentially a "no-residue" situation in corn and thus no secondary residues are expected in meat, milk, eggs or poultry (Gunderson, 12/19/72).

Recommendation:

1) R-25788 has previously been cleared on corn when used with Vernam, Sutan and Eptan.

2) We have no objection to including other crops and different formulations in the exempt regulations provided CB can conclude that a "no-residue" situation would apply.

David Ritter 6/4/74

David L. Ritter, Pharmacologist
Toxicology Branch
Registration Division (HM-567)

cc: CB
EEB
Division File
Branch Reading File
Inert file

R/D Init:CHWilliams:6/4/74
DLRitter:sss:6/4/74
Init:CHWilliams