

US EPA ARCHIVE DOCUMENT

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Subject: Toxicology Data
Pyrinex Technical
EPA Registration No. 11678-45
Your Submission Dated December 16, 1991

The five toxicology studies you have submitted as part of your response to the Chlorpyrifos Data Call-In have been reviewed. We have made the following determinations:

1. "Chlorpyrifos Oral Dose Range Finding Toxicity Study in Beagle Dogs;" MRID No. 421449-08. This data is classified core - supplementary, this is not a guideline study.
2. "Chlorpyrifos Oral Toxicity Study in Beagle Dogs (13 Weeks);" MRID No. 421728-01. This data is classified core - guideline, this study satisfies guideline 82-1 requirements for a 90-day feeding study in dogs.
3. "A Five Day Nose-Only Inhalation Toxicity Study of Chlorpyrifos Technical in the Rat;" MRID No. 421449-09. This data is classified core - supplementary, this is not a guideline study.
4. "Pyrinex Technical Oncogenicity Study in the Rat;" MRID No. 421728-02. This data is classified core - minimal, this study satisfies guideline 83-2 requirements for an oncogenicity study in rats.
5. "The effect of Pyrinex on Reproductive Function of Two Generations in the Rat;" MRID No. 421728-03. This data is classified core - supplementary, this study does not satisfy the guideline 83-4 requirements for reproductive and fertility effects in rats. Inhibition of cholinesterase activity was noted in the range finding study, however, no significant treatment-related effects were noted in the definitive study. Supplementary data such as body weight

gain data, relative organ weight data, and fertility indices are needed to assign NOELS and LOELS.

A copy of our reviews, including the Data Evaluation Report for each of the five studies, are enclosed to provide you with further details of our conclusions. The reviews of the environmental fate data and the wildlife and aquatic organism data have not yet been completed. We will inform you of the results as soon as they are available.

Sincerely,

DHE

Dennis H. Edwards, Jr.
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Enclosure