

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: August 15, 1978

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SUBJECT: Mertect LSP Fungicide EPA Reg. No. 618-IU Caswell #849 A

FROM: William Dykstra, Ph.D.
Toxicology Branch

WED 8/18/78

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TO: Eugene Wilson (21)

Registrant: Merck & Company
P.O. Box 2000
Rahway, New Jersey 07605

Action Type: Resubmission with Data

Recommendations:

1. The acute inhalation toxicity study is acceptable as core-minimum data. The results place the formulated product in Toxicity Category IV. CAUTION on the basis of inhalation toxicity.

Review

1. Acute Inhalation Toxicity Study in Rats (Hazelton Labs., Project No. M167-122, June 9, 1978.

Test Material: Mertect LSP

One group of 10 Sprague-Dawley male rats, 200-300 gm BW, were exposed to the test material at a nominal concentration of 20 mg/L for 4 hours in an inhalation chamber. Observation was for 14 days.

ResultsNo deaths $LC_{50} > 20\text{mg/L}$

Toxic Signs: hyperactivity, preening, nasal discharge.

Body Weight: Survivors gained weight

Necropsy: Dark spots on liver, red foci on thymus, enlarged peribronchial lymph nodes, pale areas on lungs.

Classification: Core minimum data.

Tox Category: IV: CAUTIONHED/TOX/ init: Reto Engler 8/9/78
gjl

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