

US EPA ARCHIVE DOCUMENT

10-1-88



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

004714

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Revised 6-Month Dog Feeding Study

FROM: Thomas Edwards, Pharmacologist, Hazard Evaluation Division (TS-769)

Thomas Edwards 10-1-88

TO: Robert Taylor, PM-25/Viki Walters
Registration Division (TS-767)

THRU: Clint Skinner, Section Chief
Review Section III

and

Theodore Farber, Chief
Toxicology Branch, HED (TS-769)

Chemical: DPX-Y5202

Caswell No.: 215D

EPA Experimental Use Permit Nos.: 352-EUP-112, 352-EUP-114, 352-EUP-115

Accession No.: 255762

As a result of an audit by Nissan Chemical Co., the study's sponsor, some differences were found between the summary and individual pathological data. Therefore, the revised report was submitted.

After review of the corrected study report, it was concluded that no reliable physiological effect on dogs treated at the 100 ppm level was found. The NOEL is 100 ppm.

While not apparently dosage-dependent the total number of histopathological changes were increased at the 400 ppm level. These included (although for most lesions not of statistical significance) atrophy of seminiferous tubules, atrophy of some skeletal muscles, pyelitis, hypertrophy of adrenal cortex, esophagitis, and leptomenigitis. These changes were attributed to decreased body strength and defenses.

No tolerances will be issued until concern for tumorigenicity in rat has been evaluated.

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