

US EPA ARCHIVE DOCUMENT

(UNDATED)

014663

DICLORAN TECHNICAL

Acute Oral Study (§81-1)

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Registration Action Branch 1/HED (7509C)

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DATA EVALUATION RECORD

NOTE:

This study was previously reviewed and classified as Core Guideline. However, the DER was not found in the database. This is to update the executive summary. DER was not prepared because individual animal data and experimental details were not provided in the report.

STUDY TYPE: Acute Oral Toxicity - Rat
OPPTS Number: 870.1100

OPP Guideline Number: §81-1

DP BARCODE: D241078
PC CODE 031301
MRID NO: 00086879

SUBMISSION NO.: S541375
TOX. CHEM. NO.: 311

TEST MATERIAL (PURITY): Dicloran Technical (purity not stated)

COMPOSITION/SYNONYM(S): 2,6-dichloro-4-nitroaniline; DCNA; Botran™

CITATION: Wesley, M. M., Weddon, T. E. and Kakuk, T. J. (1980). Toxicologic Profile of Botran (2,6-Dichloro-4-Nitroaniline) in Animals and Man. Agricultural Research and Development Laboratories, The Upjohn Company. Technical Report Number 218-9610-80-005. MRID Number 00086879. Unpublished Study.

SPONSOR: The Upjohn Company, Kalamazoo, MI..

EXECUTIVE SUMMARY: In an acute oral toxicity study (MRID 00086879), rats (unspecified strain) were given a single oral dose of dicloran technical (unspecified purity) in unspecified vehicle at 1600, 2500, 4,000, 6,300 and 10,000 mg/kg.

Dicloran produced nasal hemorrhage, paralysis and depression at 2,500 mg/kg, and excessive yellow urine and feces at 6,300 mg/kg. There were no deaths at any dose levels tested.

Oral LD₅₀ Rats = ≥10,000 mg/kg.

Dicloran technical is classified as **TOXICITY CATEGORY IV** based on the no mortality observed any dose levels tested.

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This study is classified **Unacceptable/guideline (§81-1)** and does not satisfy the requirements of the FIFRA Test Guideline for an acute oral study in the rat. This study report does not provide any experimental data and individual animal data. It is not clear from the study report whether male and female rats were utilized in the study.

Note:

Other studies in the database classified as **Unacceptable/guideline (§81-1)** and does not satisfy the requirements of the FIFRA Test Guideline for an acute oral study in the rat (MRID No. 00064302, 00095938, 0009601, 00082714) indicate that Acute Oral LD₅₀ dicloran technical (96%) to rats is greater than 8000 mg/kg. Therefore, based on weight-of-evidence, there is no need to repeat this study.