

CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE

MEDICAL TOXICOLOGY BRANCH

SUMMARY OF TOXICOLOGY DATA

FERBAM

SB 950-338, Tolerance # 114

Sept. 21, 1987

I. DATA GAP STATUS

Chronic rat : Data gap, inadequate study, no adverse effect indicated

Chronic dog : Data gap, inadequate study, no adverse effect indicated

Onco rat : Data gap, no study on file

Onco mouse : Data gap, inadequate study, no adverse effect indicated

Repro rat : Data gap, no study on file

Terato rat : Data gap, no study on file

Terato rabbit :Data gap, no study on file

Gene mutation : Data gap, no study on file

Chromosome : Data gap, no study on file

DNA damage : Data gap, no study on file

Neurotox : Not required at this time

Note, Toxicology one-liners are attached

** indicates acceptable study

Bold face indicates possible adverse effect

File name: SB338FER.CNA

Tox summary index and one-liners prepared by D. Shimer.

No EPA one-liners available as of Sept. 9, 1987.

II. TOXICOLOGY SUMMARY

Some journal articles and excerpts from books were submitted for Thiram and Ziram which included mention of Ferbam. None of these articles are adequate to fill a data gap.

CHRONIC, RAT

116-014 231 "Chronic oral toxicity of ferric dimethyldithiocarbamate (Ferbam) and zinc dimethyldithiocarbamate (Ziram)" (Univ. of Rochester School of Medicine and Dentistry, Journal = ??Toxicology??, rec'd. for publication on

2.

5-56). This publication does not contain any data. The text mentions toxicity at high doses, but there is **insufficient information** to evaluate. **Unacceptable.** J. Christopher, 8-26-85 and JAP, 4-21-86.

CHRONIC, DOG

116-014 35021 "Chronic oral toxicity of ferric dimethyldithiocarbamate (Ferbam) and zinc dimethyldithiocarbamate (Ziram)" (Univ. of Rochester School of Medicine and Dentistry, Journal = ??Toxicology??, rec'd. for publication on 5-56). (Same journal article as 014:321, above). A summary of a one year dog feeding study without data. The text mentions toxicity at high doses, but there is **insufficient information** to evaluate. **Unacceptable.** J. Christopher, 8-26-85.

ONCOGENICITY, RAT

No study on file.

ONCOGENICITY, MOUSE

116-014 7602 "Bioassay of pesticides and industrial chemicals for tumorigenicity in mice: a preliminary note". J.R.M. Innes et al., Journal of National Cancer Institute 42:1101-1114, 1969. Bionetics Research Lab, Litton Industries. Summary of study in which mice, 18/sex/group were feed 0 or 32 ppm Ferbam for 18 months. **Unacceptable, not upgradeable, insufficient information for assessment.** No characterization of test substance, too few animals, only one dose level, no evidence that MTD was reached, no data. J. Christopher, 8-26-85.

REPRODUCTION, RAT

No study on file.

TERATOLOGY, RAT

No study on file.

TERATOLOGY, RABBIT

No study on file.

GENE MUTATION

No study on file.

CHROMOSOME

No study on file.

DNA DAMAGE

No study on file.

NEUROTOXICITY

Not required at this time.