

CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE
MEDICAL TOXICOLOGY BRANCH

SUMMARY OF TOXICOLOGY DATA

PHENYL MERCURIC OLEATE

SB 950-796, Tolerance # 50799

July 30, 1987

I. DATA GAP STATUS^a

Chronic rat:	Data gap, inadequate studies, possible adverse effect indicated
Chronic dog:	Data gap, no studies on file
Onco rat:	Data gap, no studies on file
Onco mouse:	Data gap, no studies on file
Repro rat:	Data gap, no studies on file
Terato rat:	Data gap, inadequate studies, possible adverse effect indicated
Terato rabbit:	Data gap, inadequate studies, possible adverse effect indicated
Gene mutation:	Data gap, inadequate studies, possible adverse effect indicated
Chromosome:	Data gap, inadequate studies, possible adverse effect indicated
DNA damage:	Data gap, inadequate studies, no adverse effect indicated.
Neurotox:	Data gap, inadequate studies, possible adverse effect indicated

-----^aThe majority of studies for phenylmercuric compounds are on the acetate salt ("PMA", under CDFA Tolerance number 50034: please see Tox Summary SB084PMA.CNA). Studies on both "PMA" and "PMO" are considered in this data gap summary.

Note, Toxicology one-liners are attached

** indicates acceptable study

Bold face indicates possible adverse effect

File name: SB796PMA.CNA

II. TOXICOLOGY ONE-LINERS AND CONCLUSIONS**COMBINED RAT**

No studies on file

CHRONIC RAT

No studies on file

DOG

No studies on file

ONCOGENICITY**RAT**

No studies on file

MOUSE

No studies on file

REPRODUCTION**RAT**

No studies on file

TERATOGENICITY**RAT**

No studies on file

RABBIT

No studies on file

GENE MUTATION

No studies on file

CHROMOSOME

No studies on file

DNA DAMAGE

50034-011 55710, "Evaluation of Nuodex PMO-10 in the *E. Coli* DNA Repair-Suspension Assay" (Midwest Research Institute, Kansas City, MO., #4822-E, 2/9/81), Nuodex PMO10 lot #099-245, *E. coli* strains W3110 (pol A⁺) and p3478 (pol A⁻), in DMSO with and without activation at 0, 0.016, 0.08, 0,.4, 2.0, and 10.0 microgram/ml; no significant preferential killing of pol A⁻ reported; unacceptable, upgradable (with submission of dose level rationale, test substance purity, and individual plate counts) (Green, Gee, 6/18/87)

NEUROTOXICITY No studies on file