PP-1F1801
TXR-349

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: November 28, 1978

SUBJECT: Altosid (Methoprene) Briefing Memo of 11/27/78.

FROM: D. Ritter, Toxicologist
TOX/HED TS-769

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TO: M. Rogoff, Ph.D., Science Advisor
OD/HED TS-769

A report by Dr. R. Engler re PP# 6F1801 (memo of 10/12/76) contained reviews of the final reports of the completed 2 year rat and 18 month mouse feeding studies which had been originally submitted in support of the Experimental Use Permit (#20954-EUP-5) but not reviewed.

Dr. Engler's overall conclusions were:

- 2 year rat feeding NOEL = 1000 ppm based on systemic effects (complete study).
- 18 month mouse feeding NOEL for tumorigenesis was 2500 ppm, the highest level fed (completed study).

Accordingly, a new calculation printout is attached reflecting the ADI based on the two year rat systemic NOEL of 1000 ppm and a 100-fold safety factor.

Thus, the only remaining deficiency for this chemical is that noted for the rat and rabbit teratology studies (at IBT) which still require validation and certification.

Note: In recent years it has been the practice of the Federal Register section to remove the designation, "Negligible Residues" (NR) from a tolerance notice if the data supplied would support such removal. The basis is that long-term data are available that would support finite tolerances. Since the completed two year rat and 18 month mouse feeding studies are now available, it is appropriate to drop all NR references to the Altosid tolerances.

TOX/HED:RGessert:11/28/78:ssr

EPA FORM 1320-6 (REV. 3-76)

CFR 180.359 Ethoprene 11/26/76

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File last update: 11/26/76

ACCEPTABLE DAILY INTAKE DATA

FAT,Older Milk		S.F.	ADI	MPI
mg/Kg	ppm		mg/Kg/day	mg/day/60kg
30.000	1000.00	100	0.3000	30.0000

Published Tolerances

Crop	Tolerance	Food Factor	mg/day/1.5kg
Cattle(26)	0.300	7.10	0.03233
Dairy Products(95)	0.050	28.62	0.02146

MPI	TMRC	% ADI
30.0000 mg/day/1.5kg	0.0536 mg/day/1.5kg	0.18

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