



CASWELL FILE

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

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: DEET: Evaluation of A Human Use and Exposure to Deet
Study Proposal

Caswell No. 346
MRID No. None
EPA Record No. 261496

HED Project NO. 0-0961A

TO: Larry Schanubelt, PM Team (74)
Special Review and Re-registration Division (H5705C)

FROM: Whang Phang, Ph.D.
Pharmacologist
HFAS/Tox. Branch II/ HED (H5709C)

Whang Phang 4/9/90

THROUGH: K. Clark Swentzel, Section Head
and
Marcia van Gemert, Ph.D. Branch Chief
HFAS/Tox. Branch II/ HED (H5709C)

K. Clark Swentzel 4/13/90

management 4/19/90

The registrant, The Chemical Specialties Manufacturers Association (CSMA), on behalf of the DEET Steering Committee/Joint Venture, submitted a study protocol for human use and exposure to DEET. This reviewer has evaluated the proposed study which applies 3 means to generate data: (a) with a mail survey, the use of repellent containing DEET will be tracked by a diary, (b) in a usage study, consumers will be observed during application of repellents containing DEET", and the dosage will be quantified, and (c) the data generated with mail survey and usage studies will be validated with syndicated market data. With respect to toxicology, this reviewer has no comment about this proposed study; however, the validity of the proposed methodologies and the value of the study are deferred to the decisions made by the Non-Dietary Exposure Branch.