



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

007617

NOV 17 1989

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: DUPONT ESCORT® RP HERBICIDE REGISTRANT'S SUBMISSION OF
ADDITIONAL DATA TO UPGRADE 21-DAY DERMAL STUDY

TO: VICKY WALTERS
PRODUCT MANAGER (25)
REGISTRATION DIVISION (H7505C)

FROM: LINDA L. TAYLOR, PH.D. *Linda Lee Taylor 11/13/89*
TOXICOLOGY BRANCH II, SECTION II
HEALTH EFFECTS DIVISION (H7509C)

THRU: K. CLARK SWENTZEL *K. Clark Swentzel 11/14/89*
SECTION II HEAD, TOXICOLOGY BRANCH II
HEALTH EFFECTS DIVISION (H7509C)

AND

MARCIA VAN GEMERT, PH.D. *Marcia Van Gemert 11/17/89*
CHIEF, TOXICOLOGY BRANCH/HFAS/HED (H7509C)

REGISTRANT: DUPONT
CHEMICAL: (METHYL-2-[[[(4-METHOXY-6-METHYL-1,3,5-TRIAZIN-2-YL)
AMINO]-CARBONYL]-AMINO]SULFONYL BENZOATE; METSULFURON METHYL
PROJECT NO.: 0-0091
CASWELL NO.: 419H
RECORD NO.: 254232 & 254233
IDENTIFYING NO.: 8F3547 & 352-LEU
MRID NO.: 412478-01
ACTION REQUESTED: SUBMISSION OF REQUESTED INFORMATION.

COMMENT: A SECOND 21-DAY DERMAL STUDY WAS PERFORMED ON METSULFURON METHYL,
AND THIS WAS REVIEWED PREVIOUSLY (TB II MEMO DATED 6/29/89). THE STUDY
WAS CLASSIFIED CORE SUPPLEMENTARY, PENDING SUBMISSION OF DATA FOR CONFIRMATION
OF THE TEST MATERIAL CONCENTRATION/HOMOGENEITY/STABILITY. IN RESPONSE TO
THE REQUEST FOR THESE DATA, INFORMATION ON THE HYDROLYTIC STABILITY OF
METSULFURON METHYL AND ON DOSE PREPARATION WERE SUBMITTED (COVER LETTER
DATED SEPTEMBER 25, 1989).

INDIVIDUAL DOSES WERE PREPARED EACH DAY BEFORE DOSING (WITHIN 30 MINUTES OF
PREPARATION); AN APPROPRIATE AMOUNT OF TEST MATERIAL WAS WEIGHED OUT AND
DISTILLED WATER WAS ADDED TO FORM A PASTE, WHICH WAS THEN TRANSFERRED
DIRECTLY ONTO THE ANIMAL'S BACK.

STABILITY INFORMATION INDICATES THAT THE COMPOUND IS STABLE UNDER VARIOUS
PH'S AND AT TEMPERATURES OF 25° AND 45° C. ALTHOUGH THE PH OF THE TEST
MATERIAL (PASTE) WAS NOT MEASURED DURING THE STUDY, IT IS LIKELY THAT THE
TEST MATERIAL WAS STABLE OVER THE COURSE OF THE EXPOSURE (6 HOURS). THE
DATA ARE ADEQUATE; THE STUDY CAN BE UPGRADED TO CORE MINIMUM.

Printed on Recycled Paper

131