3/1/93

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

010047

MAR 1993

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Du Pont "Ally™" Herbicide-Addendum to UDS Assay

TO: Vickie Walters
PM Team Reviewer (23)
Registration Division (H7505C)

FROM: Linda L. Taylor, Ph.D. Linda Lee Taylor 2/24/93
Toxicology Branch II, Section II,
Health Effects Division (H7509C)

THRU: K. Clark Swentzel K. Clark Swentzel 2/24/93
Section II Head, Toxicology Branch II
Health Effects Division (H7509C)

and

Marcia van Gemert, Ph.D. Marcia van Gemert 2/25/93
Chief, Toxicology Branch II/HFAS/HED (H7509C)

Registrant:	Du Pont
Chemical:	Methyl-2-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl] benzoate
Synonym:	metsulfuron methyl
DP Barcode:	D186399
Caswell No.:	419H
Case No.:	016737
Submission No.:	S433144
Identifying No.:	122010
MRID No.:	N/A; relates to MRID # 417739-01
Action Requested:	none specified.

Comment: The Registrant has submitted an addendum to the UDS assay report, which provides information concerning the solubility of the test material T6376-74 and the highest concentration tested.

No additional documentation is provided in this submission with respect to the statement that the limit of solubility in DMSO is 250 mg/mL. With regard to the highest dose selected, it is stated that, since organic solvents such as DMSO are toxic to cultured cells in excess of 1%, the highest concentration of T6376-74 that could be achieved in the treatment medium was 2.5 mg/kg. TB II notes that on page 2 of 6 of the Technical Data Sheet for Metsulfuron methyl the limit of solubility of the test material in

water at pH 7 is 9.5 mg/mL, which is higher than the 2.5 mg/mL tested in the UDS assay. It would appear that a higher concentration of test material could be tested using water as the solvent.

CONCLUSION: The information provided does not demonstrate that the test material was tested at the highest possible concentration. The study remains classified unacceptable.

010047