



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

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JAN 28 1997

OFFICE OF
PREVENTION, PESTICIDES, AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Ferbam (ferric dimethyl dithiocarbamate) --- Tox. Data
Submitted Under MRID Nos. 40561401, 40561402, 40561403,
40561404, 40561405, 40561503, 40561504, and 41508101.

ID No: 034801-045728

Reregistration Case: 2180

Chemical: 034801(458)

RD Record: S488177

HED Project: D216053

FROM: Irving Mauer, Ph.D., Geneticist
Toxicology Branch I
Health Effects Division (7509C)

Irving Mauer
11-29-95

TO: Mark Wilhite/Ron Kendall, PM 51
Special Review and Reregistration Division (7508W)

THRU: Karen L. Hamernik, Ph.D., Head, Section III
Toxicology Branch I
Health Effects Division (7509C) *for - Kid Janel 12-16-96*

Registrant: UCB Chemicals, Norfolk, VA

Request: Review and evaluate the following acute toxicology
studies:

(81-1) Evaluation of the Acute Oral Toxicity of
Ferbam 76% WDG in the Rat, performed by NOTOX
C.V. 'sHertogenbosch (The Netherlands), Lab.
Project No. NOTOX-0741/936, Final Report
dated December 09, 1987 (MRID 40561401).

(81-2) Evaluation of the Acute Dermal Toxicity of
Ferbam 76% WDG in the Rabbit, performed by
NOTOX C.V., 'sHertogenbosch (The
Netherlands), Lab. Project No. NOTOX-

012151

0741/937, Final Report dated December 03, 1987 (MRID 40561404).

- (81-3) Ferbam Technical: Acute Inhalation Toxicity in Rats - 4-Hour Exposure, performed by Huntingdon Research Centre, Huntington (England), Lab. Report No. UCB-285/88179, dated May 04, 1988 (MRID 41508101).
- (81-4) Assessment of Primary Eye Irritation/Corrosion by Ferbam Technical in the Rabbit, performed by NOTOX C.V. 'sHertogenbosch (The Netherlands), Lab. Project No. NOTOX-0740/933, Final Report dated December 04, 1987 (MRID 40561503).
- (81-4) Assessment of Primary Eye Irritation/Corrosion by Ferbam 76% WDG in the Rabbit, performed by NOTOX C.V., 's Hertogenbosch (The Netherlands), Lab Project No. NOTOX-0741/938, Final Report dated December 10, 1987 (MRID 40561403).
- (81-5) Assessment of Primary Skin Irritation/Corrosion by Ferbam 76% WDG in the Rabbit, performed by NOTOX C.V., 'sHertogenbosch (The Netherlands), Lab. Project No. NOTOX-0741/939, Lab. Project No. NOTOX-0741/939, Final Report dated November 20, 1987 (MRID 40561405).
- (81-6) Assessment of the Skin Sensitization Potential of Ferbam Technical in the Guinea Pig (Split Adjuvant Test), performed by NOTOX C.V., 'sHertogenbosch (The Netherlands), Lab. Project No. NOTOX-0740/934, Final Report dated December 11, 1987 (MRID 40561504).
- (81-6) Assessment of the Skin Sensitization Potential of Ferbam 76% WDG in the Guinea Pig (Split Adjuvant Test), performed by NOTOX C.V., 'sHertogenbosch (The Netherlands), Lab. Project No. NOTOX-0741/940, Final Report dated December 11, 1987 (MRID 40561402).

TB CONCLUSIONS: These studies have been adjudged as follows:

(GDLN) Study (MRID)	(Formulation) Reported Results	Tox. Cat.	TB Evaluation
(81-1) Acute oral (40561401)	(76% WDG) LD50 (M/F) > 5000 mg/kg	IV	Acceptable
(81-2) Acute dermal (40561404)	(76% WDG) LD50 (M/F) > 4000 mg/kg	III	Acceptable
(81-3) Acute inhalation (41508101)	(92% Tech) LC50 (M/F) = 0.40 ± 0.016 mg/L	II	Acceptable ✓
(81-4) Eye irritation (40561503)	(92% Tech) PIS = 6.3 (24 hour); 0.7 (7 day)	III	Acceptable ✓
(81-4) Eye irritation (40561403)	(76% WDG) PIS = 6.7 (3 day); 1.5 (7 day)	III	Acceptable
(81-5) Skin irritation (40561405)	(76% WDG) PII = 0.46	IV	Acceptable
(81-6) Sensitization (40561504)	(92% Tech) Weak sensitizer	-	Acceptable ✓
(81-6) Sensitization (40561402)	(76% WDG) Not a sensitizer	-	Acceptable

Detailed reviews are attached.

ATTACHMENTS: DERS

b:\ferbamm.emo Emma on Disk 1



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R167941

Chemical Name: Ferbam

PC Code: 034801

HED File Code: 61400 SRRD DERs

Memo Date: 1/28/1997

File ID: DPD216053

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HED Records Reference Center
7/13/2009