



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

JUL - 5 1996

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: New Chemical Screen for Microfree - B 507 (Zinc
Silicate + Silver) (PC Codes 008103, 072501;
DP Barcode D227470; Reg. No. 069897-R)

FROM: *for* Anthony Maciorowski, Chief ⁷⁻⁵⁻⁹⁶
Ecological Effects Branch
Environmental Fate and Effects Division (7507C)

TO: Marion Johnson, PM 31
Antimicrobial Program Branch
Registration Division (7505C)

EEB has reviewed the new chemical screen package submitted for Microfree - B 507. Proposed registration is for use as a microbiocide to be added to plastics, adhesives, synthetic fibers, and paint coatings. Based on our preliminary review, this package passes the new chemical screen in EEB.

Preliminary review of the submission package shows that data are available from an avian dietary study, a fish acute study, and an aquatic invertebrate acute study. Although these studies were conducted with the formulated product, EEB has determined that they will satisfy the requirements for this registration.

The package does not contain an avian acute oral LD50 study, which is the fourth study required to support registration of an indoor-use microbiocide. However, the Agency does have on file an avian acute oral study with zinc oxide, and a rat acute oral study with silver. EEB believes that data from these studies will be sufficient to support the registration of Microfree - B 507. Thus, this package passes the screen in EEB.

Any questions on this memo should be directed to Allen Vaughan at 305-6464.

Attachments



DP BARCODE: D227470

CASE: 060119
SUBMISSION: S507568

DATA PACKAGE RECORD
BEAN SHEET

DATE: 06/24/96
Page 1 of 1

* * * CASE/SUBMISSION INFORMATION * * *

CASE TYPE: REGISTRATION ACTION: 010 NEW CHEMICAL SCREENING
RANKING : 0 POINTS ()
CHEMICALS: 008103 Zinc Silicate 0.6700%
072501 Silver 0.4100%

ID#: 069897-R MICROFREE B-507
COMPANY: 069897 DUPONT SPECIALTY CHEMICALS
PRODUCT MANAGER: 31 MARION JOHNSON 703-305-5675 ROOM: CM2 270
PM TEAM REVIEWER: MARSHALL SWINDELL 703-305-6908 ROOM: CM2 272
RECEIVED DATE: 04/15/96 DUE OUT DATE: 04/30/96

* * * DATA PACKAGE INFORMATION * * *

DP BARCODE: 227470 EXPEDITE: N DATE SENT: 06/24/96 DATE RET.: / /
CHEMICAL: 008103 Zinc Silicate
DP TYPE: 001 Submission Related Data Package
CSF: N LABEL: Y

ASSIGNED TO	DATE IN	DATE OUT	ADMIN DUE DATE: 07/09/96
DIV : EFED	6/25/96	/ /	NEGOT DATE: / /
BRAN: EEB	6/26/96	/ /	PROJ DATE: / /
SECT:	/ /	/ /	
REVR :	/ /	/ /	
CONTR:	/ /	/ /	

* * * DATA REVIEW INSTRUCTIONS * * *

Please conduct a new chemical screen for Zinc Silicate

* * * DATA PACKAGE EVALUATION * * *

No evaluation is written for this data package

* * * ADDITIONAL DATA PACKAGES FOR THIS SUBMISSION * * *

DP BC	BRANCH/SECTION	DATE OUT	DUE BACK	INS	CSF	LABEL
227468	RCAB	06/24/96	07/09/96	Y	N	Y
227469	RSB/PCRS	06/24/96	07/09/96	Y	Y	Y
227471	EFGB	06/24/96	07/09/96	Y	N	Y

DP Barcode : D227470
 PC Code No : 008103, 072501
 EEB Out : JUL - 5 1996

To: Marion Johnson
 Product Manager 31
 Registration Division (7505C)

From: Anthony F. Maciorowski, Chief
 Ecological Effects Branch/EFED (7507C)

Attached, please find the EEB review of...

Reg./File # : 069897-R
 Chemical Name : Zinc silicate + silver
 Type Product : Microbiocide
 Product Name : Microfree - B507
 Company Name : DuPont Specialty Chemicals
 Purpose : Submission of new chemical screen for new
 microbiocide to be added to plastics,
 adhesives, synthetic fibers, and paint coatings.
 Action Code : 010 Date Due : 07/09/96
 Reviewer : A. Vaughan Date In : 06/26/96

EEB Guideline/MRID Summary Table: The review in this package contains an evaluation of the following:

GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT	GDLN NO	MRID NO	CAT
71-1(A)			72-2(A)	440031-03		72-7(A)		
71-1(B)			72-2(B)			72-7(B)		
71-2(A)	440031-04		72-3(A)			122-1(A)		
71-2(B)			72-3(B)			122-1(B)		
71-3			72-3(C)			122-2		
71-4(A)			72-3(D)			123-1(A)		
71-4(B)			72-3(E)			123-1(B)		
71-5(A)			72-3(F)			123-2		
71-5(B)			72-4(A)			124-1		
72-1(A)			72-4(B)			124-2		
72-1(B)			72-5			141-1		
72-1(C)	440031-02		72-6			141-2		
72-1(D)						141-5		

Y=Acceptable (Study satisfied Guideline)/Concur

P=Partial (Study partially fulfilled Guideline but additional information is needed)

S=Supplemental (Study provided useful information but Guideline was not satisfied)

N=Unacceptable (Study was rejected)/Nonconcur