

US EPA ARCHIVE DOCUMENT

12-29-78

DATE:

To: Product Manager Wilson (21)
TS-767

Through: Dr. Gunter Zweig, Chief
Environmental Fate Branch

Through:

From: Review Section No. 2
Environmental Fate Branch

Attached please find the environmental fate review of:

Reg./File No.: 239-1246

Chemical: Captan

Type Product: Fungicide

Product Name: None

Company Name: Chevron Chemical Company

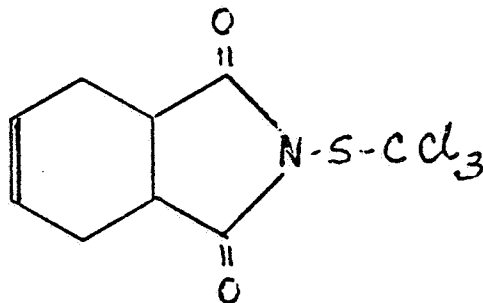
Submission Purpose: Review for 6a2 data only

Date In: 10/24/78

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Structure:

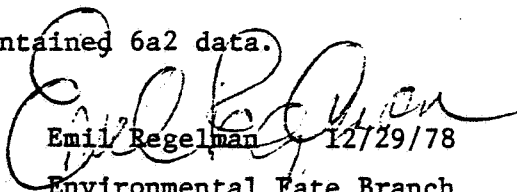


INTRODUCTION

This submission consisted of eight proprietary articles and 39 general literature citations, which contain data to update the Captan file. All submitted data are listed in the bibliography attached to this review. All studies which had been previously reviewed are indicated by (*). The remaining studies were evaluated for 6a2 data only.

CONCLUSIONS

None of the articles reviewed contained 6a2 data.


Emil Regelman 12/29/78

Environmental Fate Branch
Hazard Evaluation Division

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Atlas, R.M., "Effects of the Fungicide Folpet on Soil Microorganisms", Department of Biology, University of Louisville, Louisville, Kentucky.

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Atlas, R.M., "Effects of the Fungicide Captafol on Soil Microorganisms", Department of Biology, University of Louisville, Louisville, Kentucky.

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Bollag, J., and Henninger, N.M., "Influence of Pesticides on Denitrification in Soil and with an Isolated Bacterium", J. Environ. Qual., 5, 15 (1976).

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Brisou, J., "Contamination of Marine Litoral and Sea Foods by Pesticides", Mededelingen Faculteit, Wetenschappen, Gent., 35, 739 (1970) (English Translation).

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Burchfield, H.P., "Comparative Stabilities of Dyrene, 1-Fluoro-2,4-dinitrobenzene, Dichlone and Captan in a Silt Loam Soil", Contributions from Boyce Thompson Institute, 20, 205 (1959).

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Carey, A.E., Wiersma, G.E., Tai, H. and Mitchell, W.G., "Pesticides in Soil - Organochlorine Pesticide Residues in Soils and Crops of the Corn Belt Region, United States - 1970", Pesticides Monitoring Journal, Vol. 6, No. 4, 369 (1973).

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Chevron Residue Test TE-1086.

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Chevron Residue Test TE-1087.

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- Domsch, K.H., "The Effect of Fungicidal Agents on Soil Respiration". Phytopath. Z., 49, 291 (1964) (English Translation). 10.10
- Domsch, K.H., "The Influence of Captan on the Degradation of Glucose, Esculin, Chitin and Tannin in the Soil", Phytopath. Z., 52, 1 (1965) (English Translation). 10.11
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- Griffith, R.L. and Matthews, S., "The Persistence in Soil of the Fungicidal Seed Dressings Captan and Thiram", Ann. Appl. Biol., 64, 113 (1969). 3.5
- Haque, R. and Freed, V.H., "Behavior of Pesticides in the Environment: Environmental Chemodynamics", Residue Reviews, F.A. Gunther, Editor, Vol. 52, pages 89 and 95, Springer-Verlag (1974). 5.1
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OK		Pack, D.E., "Soil Mobility of Captan, Folpet and Captafol as Determined by Soil Thin-Layer Chromatography", Chevron Chemical Co. Report, September 2, 1977.	5.3
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?	*	Sleight, B.H., III, and Macek, K.J., "Kinetics of ¹⁴ C-DIFOLATAN in a Model Aquatic Ecosystem", Bionomics, Inc., Wareham, Massachusetts (1973).	8.3
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