

PRESENTATION

To The

INTERDEPARTMENTAL TASK FORCE ON PCBs

WASHINGTON, D. C.

May 15, 1972

by

MONSANTO COMPANY



E001170

ADM 000222

Introduction

By

W. B. Papageorge

Considerable interest has been and continues to be expressed by many involved in studies of PCBs and the environment concerning their degradability. Monsanto has received many inquiries relating to results of our studies. We now have accumulated some meaningful data which we believe would be appropriate to present in a status report to the Interdepartmental PCB Task Force. We sincerely appreciate this opportunity to share this information with you this afternoon.

Slide #1 - We plan to discuss current results of laboratory biodegradation studies of PCBs and the levels of PCB residues observed in the tissues of laboratory animals which were used in our toxicity studies. We will review briefly actions Monsanto has taken to reduce PCB usage and environmental losses. We will also discuss the application of our laboratory findings to the development of a modified more readily degradable PCB mixture for use by the capacitor industry as a dielectric fluid. As many of you are aware, we have designated this material as Aroclor 1016.

Slide #2 - Our presentation will begin with Dr. Tucker discussing primary bacterial degradation and PCB residues in fish, fowl and mammal tissues. Dr. Munch will review evidence that demonstrates disappearance of PCBs from the environment and Dr. Paton will discuss Monsanto's PCB sales and use actions and the impact these actions will have on the environment.

Because of the limited time available, may I suggest that questions be held until all the speakers have completed their reports. Following the presentations there will be opportunity for further discussion of information which may be of particular interest to you.

Dr. Tucker, Research Group Leader, will now present a status report of his laboratory results.

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OBJECTIVES

- PROGRESS REPORT ON LABORATORY BIODEGRADATION OF PCB'S
- RESIDUE ACCUMULATION STUDIES IN FISH, BIRDS AND MAMMALS
- TO SHOW REDUCTION IN LESS BIODEGRADABLE PCB'S AS A RESULT OF MONSANTO ACTIONS ON SALES AND PRODUCTS

FM01772

AGENDA

○ INTRODUCTION

W. B. PAPAGEORGE

○ PCB STUDIES

E. S. TUCKER

PRIMARY BACTERIAL DEGRADATION
RESIDUES IN FISH, FOWL AND MAMMALS

○ EVIDENCE FOR LOSS OF PCB FROM
THE ENVIRONMENT

R. H. MUNCH

○ MONSANTO PCB ACTIONS

C. PATON

○ DISCUSSION

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