

2200

Monsant

FROM NAME

DATE

SUBJECT

RECEIVED

TO

SHOWS MORE 21
TOXIC DIOXINS *copies of*
CAN BE FOR *chipped*
DISTILLATION
CAN REMOVE
DIOXINS

SO DISCUSSES
SIBLE HEALTH
BLEMS WITH
SANTOPHEN

Per our conversation today, attached is information relative to our position on pentachlorophenol and our current research plans.

As I indicated to you, we are still very much in the penta business and are trying to stay in it because of the dependency of Santophen® 1 on the utilization of chlorophenol fractions by the penta process. What we have said is that if EPA required us to distill penta to reduce the dioxin contents we would likely discontinue production of penta. Our preliminary estimate of the capital required for distillation is \$8M and the additional cost 20-25¢ per pound. We don't think the wood treating business could support these increased costs.

*Letter
MICHIGAN
CASES
DISAPPROVED
THIS →*

On the basis of existing information, we think that there is no demonstrated need to control the dioxin content of penta which will be used in professional wood treating establishments. We do feel there is a further need to characterize the impurities in penta, and determine if they represent any risk to the environment or plant worker. Work is under way in this area.

Finally, as insurance to our Santophen 1 business, we are examining alternative process routes to reduction of chlorophenol "fractions" to the lowest practical level. An oxychlorination process based on cupric chloride can theoretically provide an 80-85% reduction in "fractions" production. We are currently examining the parameters of this process and will write a R & D Process Outline which could be used for an economic evaluation. At this stage our probability of success is 50%.

Please call if I can be of further assistance.

LGS

L. G. Scharpf, Jr.

B-7

LGS/dc

Attachments

CONFIDENTIAL
SUBJECT TO PROTECTIVE ORDER

6033171-01

C10037

0009745 PCP

2200

Monsanto

FROM (NAME & LOCATION): L. G. Scharpf, Jr. - N1A

DATE: February 18, 1976

SUBJECT: PENTACHLOROPHENOL

REFERENCE:

TO: M. C. Throdahl - D1D

cc W. B. Bennet - N1A
J. S. Metcalf - B2NC
D. P. Roman - N1A
P. A. Tierney - N1A

S

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CASES
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