

1-PCB
 MITSUBISHI MONSANTO CHEMICAL COMPANY *Ret 10:00*

FROM LOCATION: Tokyo

DATE: August 10, 1970

SUBJECT: MMK'S POLICY
AROCLOR MARKETING

REFERENCE:

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MMK's policy with respect to "PCB environmental problems" is heavily influenced by the public situation in Japan and by the action of competitor, Kaneka.

There appears to be no overt evidence that "PCB" is contaminating Japan. There has been frank interest in reports from the U.S.A. about bird and shrimp damage, but even with high governmental interest in both areas and with critical review of shell fish, there is no evidence of contamination. The human exposure to Kaneclor that accidentally contaminated food oil has been studied extensively and tighter controls instigated on heating installations for food oil. Exposures to mercury, cadmium, other heavy metals are being stringently surveyed. The lead content of gasoline was cut by 50% beginning June 1, 1970. Both air and stream pollution are being monitored. No limitations have been applied to PCB.

Regulations on use of chlorinated aromatic insecticides are under study but DDT, BHC and TCB are still being used in open environment.

NCR-Japan and paper companies making "carbon-less" copy paper are following developments very closely and will eliminate Aroclor 1242 or equivalent Kaneclor when it is decided at NCR-Dayton which product is preferred -- HB40 may be advantageous for clay granules and an alkyl biphenyl for synthetic resin granules. MMK proposes to sell Aroclor 1242 as long as NCR-Japan orders and will supply HB40 or alternate as quickly as we can set up manufacture. (HB40 is now scheduled to start up in March, 1971.)

General Policy

- 1) MMK will manufacture and sell all Aroclors that are marketable, including Aroclor 1248, 1254 and 1260.

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- 2) Every customer will be switched to Aroclor 1242 when possible (to minimize the effects of non-biodegradable fractions).
- 3) Additional care will be taken in the existing plant to minimize the high boiler content of Aroclor 1242, but we do not plan to fractionally distill to eliminate high boilers.
- 4) MMK will offer to retrieve for re-working or disposal the contaminated or off-grade Aroclor fluids after use by customers.

Specific Markets

1. Dielectric:

Transformer: Return fluids to Yokkaichi plant for refining.

Capacitor: Investigate disposal methods such as incineration when Monsanto has a recommendation.

2. Heat Transfer:

Non-food: Reclaim degraded fluid at Hokoku Oil Co., MMK's sub-contractor.

Food: Discontinue sales offers.
(No sales made to date by MMK.)

3. Plasticizer:

General: So far as possible, substitute 1242 in place of 1248, 1254, 1260.

NCR Granules -- "Carbon-less Paper":

Substitute HB-40 or other fluid for Aroclor 1242.

4. Hydraulic: Use Aroclor 1242 in blends.

5. Export:

U. S. A.: No direct sales.

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Other World Area:

Sell as needed with coordination
of Monsanto's world-wide sales
organization.


R. Durland

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