

Monsanto

PCB - European
Competitors

6/29
Capital for
E.G. Heller

FROM (NAME & LOCATION)

P. G. Benignus - B2SH

DATE : June 25, 1971
SUBJECT : PCB Pollution
REFERENCE :
TO : H. S. BERGEN - B2SA

cc: T. L. Gossage - B2SL
→ W. B. Papageorge - B2SK
R. H. Munch - Queeny - 1760
W. R. Richard - T3A
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P.J.A. Marsh - 5040
T. Katayama - 5270
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General:

JUN 30 1971

Distributed USA reports of committee work at NEMA and ANSI to ROW delegates at IEC 10-B and CIGRE. Other nations to keep USA informed of developments.

Discussion with Dr. Knust, Bayer, Germany:

Recent hearing at Bonn Ministry of Health. Germany will form committee similar to ANSI - USA.

Bayer has informed all Clophen users of PCB hazard and request to return scrap fluid to Bayer for incineration or to nine other incinerators in various German cities.

Discussion with P. Jay, Prodelec, France:

Jay stated Sweden will ban all PCB applications by Jan. 1972, but will have Gov. license to allow use for power capacitors only. No PCB license for PCB use for ballast, motor-run or transformers. Sweden use of transformer askarel not over 10 tons yr.

Today in France - no official PCB pollution problem, as Prodelec cleaned up factory and tries to collect all scrap transformer askarel. France has large transformer askarel market. Prodelec reclaim fluid and refine to power factor of 15%, 100°C, 50 Hz and color 1,500 APHA. Sell this for reuse at lower price.

Separation of mineral oil contamination is main problem. Advise French that mineral oil content must be less than 2% W/W or 3% volume basis to meet Underwriter's requirements.

Prodelec have discontinued epoxide for transformer askarel and reverted to tin tetra phenyl, at higher cost. Reason is epoxide deactivates earth and upsets reclaiming. Tin tet does not do this.

French government has asked Prodelec to find a way to dispose

failed power capacitors.

Tetrachlorodibenzo furane (extremely toxic) has been found in Prodelec's Pyralene, and Bayer's Clophen - but not in Monsanto's Aroclor. Prodelec believe this results from distillation procedure. Prodelec distill over KOH - don't know what Bayer uses.

On Aug. 27, 1971 meeting will be held in Utrech, Holland by International Institute of Veterinary Pathologists who detected the furane poison.

Discussion with UK Delegates:

UK has arrangement for incinerating scrap askarel and slurries of askarel plus earth, with Purle Co.

UK has arrangements to reprocess transformer askarel and to refine capacitor askarel.

No means for handling spent capacitors other than to put into land-fill.

Switzerland, USSR, Holland, Italy, Yugoslavia and Czechoslovakia - all reported no activity on PCB pollution.

Japanese delegate Mr. Noborn Furuya did not offer comment on PCB pollution in Japan.

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