SPECIALITY PRODUCTS

Aroclors

Preliminary results from the plant experimental work to produce a low penta/hexa Aroclor indicate that slower chlorination lowers the penta/hexa content significantly. Level of chlorination and distillation end point are also significant factors, and a penta/hexa content below 2% seems to be possible. The low level of Aroclor demand restricts the number of plant runs that can be carried out at present but further experimentation to follow up the leads already developed and investigate the remaining parameters will be carried out during December.

Recommendations have been made to A.C.E.C. to overcome technical problems in capacitor and transformer manufacture. They are interested in buying refined epoxides for blending with Aroclor 1242.

PCB's Environmental Studies

Manpower shortage is still causing delay in obtaining results from the pond experiments but results to date indicate that Aroclors 1242 and 1016 accumulate to a greater extent than 1254. Inveresk have now established confidence in their techniques for studying PCB levels in marine and fresh water aquaria experiments.

At the OECD meeting agreement was reached to continue use of PCB's in Transformers, Capacitors and Mining Fluids. Detailed control need not be exercised for small capacitors. The German suggestion that more degradable PCB products should be developed was accepted. Prodelec have announced that they will take back PCB liquids and either incinerate free of charge or reclaim when they offer 25% of the value.

Pentachlorophenol

Waste Skydrol 500 has been shown to be a possible co-solvent for Penta based wood treatment.

At a meeting of European producers Dow announced that they had developed a low dioxin content (100 ppm) pentachlorophenol. They also offered to disclose toxicological information on chlorinated dibenzodioxins.

SPECIAL CHEMICAL SYSTEMS

Foundry Chemicals

The Italian customs have accepted our current denaturant system for Silester AR and a suitable analytical method has been submitted for their approval.

MONSANTO INDUSTRIAL CHEMICAL COMPANY, EUROPE

RESEARCH MONTHLY REPORT

FUNCTIONAL PRODUCTS

NOVEMBER 1972

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