# Monsanto

ORGANIC CHEMICALS DIVISION

Monsanto Company
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Phone: (314) 694-1000

September 15, 1970

Gentlemen:

As a supplier of askarel fluids namely Inerteen, Pyranol, and Aroclors which do contain Polychlorinated Biphenyl (PCB), we wish to inform you that the FDA announced a guideline for PCB of 5 ppm in fish and 0.2 ppm in milk.

Therefore, control of waste and spills is imperative. In no case should the material be discharged directly to streams.

If you have any question or if we can be of assistance, Please feel free to call upon us.

Regards,

James G. Bryant
Product Specialist
Dielectric Fluids

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DSW 018253

Mixing of Aroclors with waste water streams should be avoided since separation of PCB's from water can be costly. If mixing cannot be avoided, a catch basin and settling pond should be provided to separate the heavy Aroclor from the water.

Unusable contaminated Aroclor should be disposed by incineration which assures complete destruction to $CO_2$, $H_2O$, and HCl. Any incineration below 800°C will result in vaporization which will contaminate the atmosphere or in partial oxidation which may yield materials which are highly toxic.

To help our customers with their liquid disposal problems, we have offered to accept for future incineration scrap liquid Aroclors shipped to Monsanto Company, W. G. Krummrich Plant, Sauget, Illinois, Attention Supervisor, Department 246. The charge for this disposal is 3¢ per pound of material. This charge is tentative pending a complete evaluation of incineration costs and does not include freight or container costs.

Contamination of the atmosphere must also be eliminated. All handling systems must be closed wherever possible. Fumes exhausted from a tank, vessel, or working area must be trapped and collected using condensers and entrainment separators.

Solids contaminated with PCB's pose a greater challenge. Until a proper incinerator is designed we are suggesting that disposal be made in an authorized, properly operated land fill away from any water systems. These solids include treatment clays, absorbing materials used to contain spills, rags, windings and containers.

In summary, control of PCB's can be achieved with equipment engineered to prevent losses and maintained properly coupled with good manufacturing practices which result in a high standard of housekeeping.

From the interest and concern which you have expressed I am certain that you will do all you can to reduce the escape of PCB's from your operation. When all of us succeed in this objective, I am certain that no regulatory agency will be compelled to take precipitous action regarding the use of PCB's in vital applications.

Sincerely,

Original Signed by W. B. Papageorge

W. B. PAPAGEORGE, Manager
Environmental Control

cc: G.R.Graham

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