

Monsanto

MONSANTO INDUSTRIAL CHEMICALS CO.
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July 22, 1983

Mr. Bob Loveland
Sharon Steel Corp.
P. O. Box 291
Sharon, PA 16146

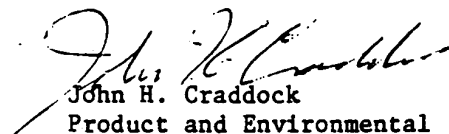
Dear Mr. Loveland:

In response to your recent inquiry regarding Pydraul® hydraulic fluid composition, I submit the following:

1. Pydraul® 312 was a hydraulic fluid manufactured by Monsanto Company prior to 1971. This product contained about 47% of the Monsanto product Aroclor® 1242, a polychlorinated biphenyl (PCB) fluid. The balance of the Pydraul® 312 was primarily an organo phosphate ester fluid.
2. Pydraul® 230C is a hydraulic fluid made subsequent to 1971 as an environmentally suitable substitute fluid to replace polychlorinated biphenyl formulations. This product as manufactured, sold and shipped does not contain any polychlorinated biphenyl components. Pydraul® 230C is essentially an organo phosphate ester based fluid.
3. In 1970 and 1971, Monsanto sent letters to our customers informing them of products, including those in the Pydraul® series that contained polychlorinated biphenyls and telling them of the concern for environmental persistence of these compounds. In addition, we informed our customers of alternatives available to these PCB containing products and offered advice on disposal and handling precautions to prevent leakage and entry into the environment. In 1972, Monsanto voluntarily stopped sales of all PCB products except those designated as totally enclosed electrical uses, i.e., transformers and capacitors.

If you have further questions, I'll be happy to try and answer them.

Sincerely,


John H. Craddock
Product and Environmental
Safety Director

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a unit of Monsanto Company

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