Monsanto

Monsanto Company
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Phone: (314) 694-1000

June 17, 1971

Mr. Larry Kancius
U. S. Plywood-Champion Paper, Inc.
Res. & Development Services
130 N. Franklin Street
Chicago, Illinois 60606

Dear Mr. Kancius:

Enclosed is a xerox copy of the Canadian article discussing two Monsanto products including our hydrogenated biphenyl and their possible effects on fish.

The portion I read you concerning analyses of hydrogenated terphenyl is in the brief sentence at the end of the first paragraph at the top of page 146.

The portion relating to the toxicity of hydrogenated terphenyl to fish is in the middle of the paragraph under the heading "Coolant Toxicity" on page 148.

I believe Dr. Scott Tucker has called you to discuss his thoughts about a possible method determing vapor concentration of the terphenyl in air.

If I can be of any further assistance, please do not hesitate to let me know.

Sincerely,

Elmer P. Wheeler

Elmer P. Wheeler
Mgr., Environmental Health

EPW/bks

Enclosures

cc: Mr. Don Pogue, Monsanto
Dr. Scott Tucker, Monsanto ✓

DSW 229774

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to humans, I have told him that based on the data we have for HB 40 and chlorinated terphenyls, I believe a Threshold Limit Value of 1 mg/cubic meter of air would be adequate to protect humans with a wide margin of safety. This number is based on my judgement since we don't have any long term inhalation toxicity data for HB 40.

I skirted the issue of the vapor toxicity of the chlorinated terphenyl because again, we do not have vapor toxicity data and are only beginning to get some information from our on-going 90 day feeding studies on 5432 and 5442 from Industrial Bio-Test. The judgement also included similar feeding data for 5460 which supports the conclusions that the chlorinated terphenyls are considerably less toxic than the chlorinated biphenyls.

In my discussion with Larry on the analytical techniques, I passed on Scott Tucker's thoughts that using a proper air sampling train with iso-octane as a collecting medium one should be able to collect the vapors and then analyze by either infrared or ultra violet spectrometry.

I expect, as Don Pogue has indicated to me by phone, we will have further inquiries from Mr. Kancius.

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