Monsanto

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PCBs - NBS Report

TO

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My comments on Dr. Miller's NBS report are as follows:

Page 2, line 2. Change blended to sold

Page 7, change last paragraph to read:

The Askarel fluids are inert and non-corrosive, however, the hydrogen chloride which they generate if there is arcing is highly corrosive. Small amounts of epoxides are added to scavenge the trace amounts of hydrogen chloride which may be formed during normal use. Due to the fact that Askarels are more efficient solvents than mineral oils for insulating varnishes, plastic insulating materials, elastomeric gasket materials and paints used on the exterior of transformers, materials of these types must be specially chosen to be resistant to the Askarels. The transformer room or vault must be adequately vented in case transformer failure causes generation of HCl gas.

Page 8. Change first sentence to read:

Because of the toxicity and environmental problem of the PCBs, Askarel transformer installations must have a catch basin so that small - - -.

Page 11, next to last line. Nitrogen is not a breakdown product of Askarel fluids. They are chlorinated aromatics and contain no chemically combined nitrogen.

Page 49, last paragraph, second sentence should read:

In applications as capacitor fluids, they offer a dielectric constant of about 5 vs 6 for the widely used Askarel capacitor fluid; this means that capacitors impregnated with the phthalate esters must be larger than Askarel impregnated units of the same capacitance and voltage ratings.

Page 73, Heading 3: Class B Poisons.

Shouldn't this be changed? Using the Oral Toxicity, Inhalation Toxicity and Toxicity by skin absorption criteria stated, Aroclor 1016 or Aroclor 1254 are less toxic than Class B poisons.

Page 74, 75.

Same.

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