P. G. Benignus - St. Louis

August 7, 1970

Dodecylbenzene materials

R. H. Munch - Queeny
D. A. Olson - DOLSO
A. Arpino --- BRUSSELS

DR. W. R. RICHARD - WRICH

As we seem to be confused about these materials perhaps I can shed a little light onto it at least in a preliminary way. First, let me say that Dr. Dave Miller in Research would be a handy source for samples of the materials called H230H and H230L. He has the specifications on these. The molecular weight for H-230H is in the range of 353 to 355 and the molecular weight of H-230L is given as 334. There is no record of ever having determined the electrical properties of these materials, in which interest has developed because of their low cost.

In contrast to this Dr. Munch has determined the electrical values of a material called Alkylate 230 and found them to be quite good. This is an almost colorless fluid whereas the aforementioned fluids seem to be quite dark in color. The molecular weight of Alkylate 230 is given as 262.

The Alkylate 230 material has a market outlet for detergents. It appears that this is the distillate and that aforementioned materials may be the residue from this distillation. If this is indeed true then our electrical group has not yet looked at nor tested these residue materials for their quality.

In addition to the molecular weights compared above, a cursory review of other physical properties seems to confirm that the foregoing indicated differences in these various materials is probably correct.

P. G. Benignus

cr

DSW 201870

STLCOPCB4059937