John H. Orem - General Offices - BSND

August 29, 1974

ESSEX CHEMICAL

CR 7/31/74

E. F. CAPRON - 1650

R. N. Brell
J. H. Gannon
P. R. Graham
J. J.McNamara - 1650
A. W. Morgan - 1730
J. M. Van Golder

Essex and Thiokol, in fact all polysulfide rubber compounders, have ample reason to be highly incensed by the name Monsanto. From Aroclor to S-278 problems to MB-40, they have to be questioning anything we say. Recognizing this, I find myself reluctant to mention anything else. Certainly, your suggestions of S-261 and S-278 are valid. I only hope we can find the material if they approve it; if we continue on the present course, our adhesive and sealant market position will be no more than a memory.

Ed, we are very selectively introducing a developmental product, XA-648 (mixed polyphenyl isomers), that may have some utility in polysulfide sealants. It should be considered in a blend with one of our benzyl phthalates. Perhaps around 20% XA-648/ 80% benzyl phthalate. Availability of XA-648 has not been determined; price will be in the 60¢ to $1.00 per pound range and probably closer to the $1.00 than to 60¢. Attached is a bulletin on XA-648 for Essex Chemical. Let me know if they want a sample.

Do you know whether Essex ever evaluated chlorinated paraffins for their polysulfide sealants? Perhaps they are not polar enough for this use.

Kemplast G has been screened in our lab in a nitrile rubber. We found it difficult to banbury and somewhat incompatible; noted a slight exudate in the cured sheet. In summary, we found it to be inferior to S-711, S-160, DUP, and DBP. An "MIB" will be issued on this offering from Kenrich Petrochemical.

John H. Orem

JHO/rlg
Encls.
P.S. Is lacquer more a consideration in this application?

JHO

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