Monsanto

FROM
(NAME—LOCATION—PHONE) J. H. Orem - Galt Labs - 1730

DATE : June 21, 1978 cc: Polysulfide Sealant File

SUBJECT : PRC
PRODUCTS RESEARCH & CHEMICAL CORP.

REFERENCE : Customer call 6-14-78

TO :
J. H. Brydon - 5110
J. A. Cannon
S. F. Hastay - 1940
T. G. Iversen - B3NC
C. N. Keeney
R. Lindsay 5110
R. H. Mills - Q2D
A. W. Morgan
A. Parent - 5090
J. T. Renshaw
N. W. Touchette
W. T. Vreeland - B3NC
J. S. Williams - 1940

FOR PRC:	FOR MONSANTO:
Joseph J. Giordano, VP & GM	S. F. Hastay
Rich Giangiordano, Tech. Mge.	J. H. Orem
Bruce T. Virnelson, Lab Supvr.	John Detlefsen, Union Chem.

POLYSULFIDE SEALANTS FOR INSULATED WINDOW GLASS

Santicizer 278:

1. Important properties of the sealant, which can be influenced by the plasticizer, are:

   a. fogging,
   b. MVT (chlorinated paraffins are better than S-278)
   c. adhesion to glass (while very important, they know how to promote or improve adhesion. They do not believe we can contribute in this area) and
   d. modulus (they can control this property).

2. In 1972, PRC began looking for alternatives to Santicizer 278. Mr. Giordano vowed he would not allow another Aroclor situation (single source of supply) to threaten the existence of PRC. From this research effort, and with good cooperation from CP manufacturers, they developed sealants plasticized with chlorinated paraffins. The CP plasticized sealants went into commercial production in 1975. Today, PRC uses more CP than S-278, and they predict a 1M pound use for Santicizer 278 in 1978.

3. S-278 is inferior to CP's in MVT. They also ran the wet UV test and found S-278 inferior.

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