

Monsanto

File: Address

FROM (NAME & LOCATION): John H. Orem - Galt Labs - 1730

DATE: February 28, 1977

cc: J. A. Cannon

SUBJECT: XA 999

T. G. Iversen - B3NC

P. W. May

REFERENCE:

~~N. W. Kouchette~~
KEYWORD FILE

TO: B. R. Dolimount
1130

Bruce, I think an answer has been found. XA 999 has been compared to Santicizer 160, DBP and Benzoflex 9-88 in Gelva S-55VH. The comparative evaluations were run at three plasticizer levels: (on the wet emulsion) 2%, 5% and 10%; on a dry basis that would be 3.7 phr, 9.6 phr and 20.2 phr.

GELVA S-55 VH 98
Plasticizer 2

	<u>XA-999</u>	<u>Santicizer 160</u>	<u>Benzoflex 9-88</u>	<u>DBP</u>
<u>Viscosity, Brookfield, cps</u>				
2 hours	2760	2160	2560	2520
1 day	2480	1840	1720	1660
7 days	2480	2040	2000	1920
Quick Tack (Kraft)	12 seconds	12 seconds	11 seconds	10 seconds
Open Time (Kraft)	45 seconds	45 seconds	45 seconds	60 seconds

GELVA S-55 VH 95
Plasticizer 5

	<u>XA-999</u>	<u>Santicizer 160</u>	<u>Benzoflex 9-88</u>	<u>DBP</u>
<u>Viscosity, Brookfield, cps</u>				
2 hours	3280	2720	2760	2680
1 day	3160	2080	1940	2000
7 days	2560	2080	2000	2080
Quick Tack (Kraft)	9 seconds	7 seconds	9 seconds	7 seconds
Open Time (Kraft)	30 seconds	45 seconds	45 seconds	45 seconds

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GELVA S-55 VH 90
Plasticizer 10

	<u>XA-999</u>	<u>Santicizer 160</u>	<u>Benzoflex 9-88</u>	<u>DBP</u>
<u>Viscosity, Brookfield, cps</u>				
2 hours	4500	3080	3260	3320
1 day	3800	2600	2500	2760
7 days	3240	2640	2460	2680
Quick Tack (Kraft) 8 seconds		3 seconds	7 seconds	3 seconds
Open Time (Kraft) 60 seconds		75 seconds	75 seconds	75 seconds

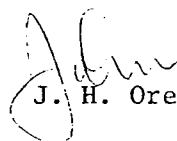
We could not detect any difference in time required to dissolve Vinsol Flake (3:2 Vinsol/plasticizer) at 220°F.

Clarity and ability to keep resin and Vinsol in solution seems to be quite similar. Attached are the draw downs. Please return them.

Bruce, I have discussed this with Tom Iversen. Pricing for XA-999 will be approximately 1-2¢ per pound over Santicizer 160.

We should go easy with XA-999. As we have discussed, we do not want to have S-160 users switch to XA-999. Rather, the goal is to expand sales at the expense of DBP, Benzoflex 9-88 and Benzoflex 50. Before exposing ourselves too broadly, I would like to hear the results of your discussions with Holland.

Can you hold Mavis off, or is his need at Titan too urgent?


J. H. Orem

JHO/gls
attach.

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