

Monsanto

FROM
(NAME-LOCATION-PHONE)

P. W. May - Galt 1730

De Galt

DATE : September 4, 1980
SUBJECT : Sterox NK In XA-1013
REFERENCE : Memo JHO/DHP 7/18/80
TO : John Orem
B3NC

cc: M. W. Farrar T3B
N. W. Touchette 1730
W. T. Vreeland B3NC
D. H. Paul 1730

Objective:

Test Sterox NK as a replacement for Sterox NM in XA 1013.

Results:

Sterox NK could be substituted for Sterox NM in XA-1013 and still maintain the viscosity build advantage of the product.

Details:

The attached formulations were prepared and tested as adhesives.

Paul
P. W. May

Att.
/vw

DSW 587073

FORMULATIONS

	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Gelva S 55XH	89.9	—————→			
Colloid 770	0.1	—————→			
Santicizer® 160	10				
XA-1013					10
(Santicizer 160/Sterox NM, 96/4)					
Santicizer 160/ Sterox NK, 96/4			10		
Benzoflex 9-88				10	
DBP					10

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TABLE I

BROOKFIELD VISCOSITY

	<u>INITIAL</u>	<u>1 DAY</u>	<u>7 DAYS</u>	<u>14 DAYS</u>	<u>28 DAYS</u>
1. Santicizer® 160	5600 cps	5750	5450	5800	6100
2. XA-1013	6150	6750	6300	6800	7000
3. XA-1013*	6150	6600	6300	6900	7000
4. Benzoflex 9-88	5750	6150	6050	6500	6600
5. DBP	5850	5950	5600	6050	6000

*With Sterox NK

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TABLE II

	<u>OPEN TIME</u>	<u>WET TACK</u>
1. Santicizer® 160	75 seconds	16-18 seconds
2. XA-1013	75	15-17
3. XA-1013*	75-90	16-18
4. Benzoflex 9-88	75-90	17-19
5. DBP	90	18-19

*With Sterox NK

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